

LAMPIRAN

Lampiran 1. Hasil pengujian debit

Hasil Pengujian Variasi T-1

Tanggal : Selasa, 29 Oktober 2019

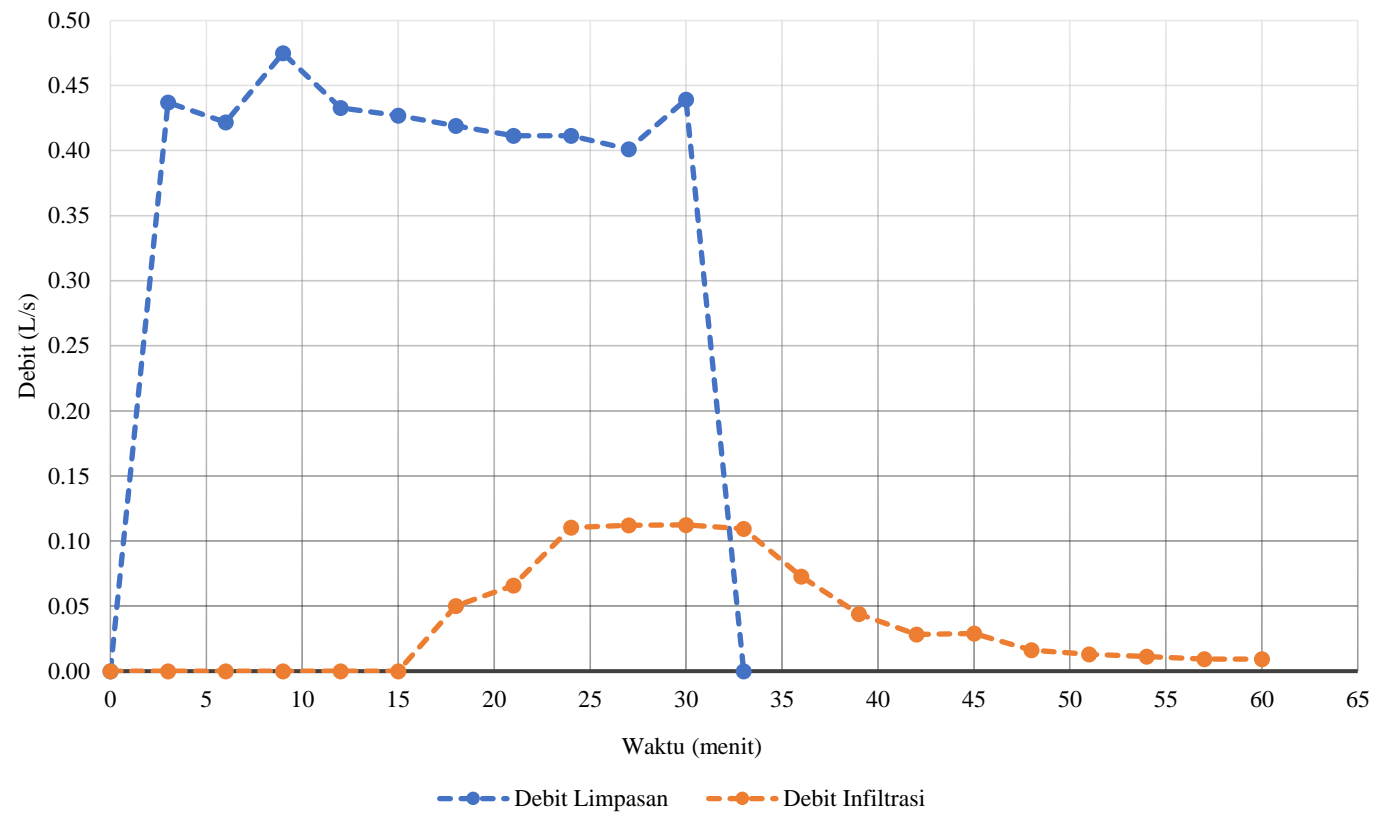
Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.69	2.7	2.475
Volume air (L), V	2.69	2.7	2.475
Waktu (s), t	3.36	3.47	3.31
Debit ukur (L/s), $Q=V/t$	0.801	0.778	0.748
Debit rata-rata (L/s)	0.775		

Debit Outflow													
Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
		W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$		W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	
3	a	2.375	0.920	1.455	3.13	0.465	0.437						
	b	2.245	0.920	1.325	3.24	0.409							

Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
6	a	2.270	0.920	1.350	3.20	0.422	0.422						
	b	2.345	0.920	1.425	3.38	0.422							
9	a	2.595	0.920	1.675	3.40	0.493	0.475						
	b	2.520	0.920	1.600	3.50	0.457							
12	a	2.400	0.920	1.480	3.54	0.418	0.433						
	b	2.330	0.920	1.410	3.15	0.448							
15	a	2.305	0.920	1.385	3.41	0.406	0.427						
	b	2.460	0.920	1.540	3.44	0.448							
18	a	2.390	0.920	1.470	3.51	0.419	0.419	0.415	0.260	0.155	3.41	0.045	0.050
	b	2.195	0.920	1.275	3.04	0.419		0.430	0.240	0.190	3.48	0.055	
21	a	2.220	0.920	1.300	3.25	0.400	0.402	0.445	0.260	0.185	3.33	0.056	0.066
	b	2.240	0.920	1.320	3.26	0.405		0.500	0.240	0.260	3.42	0.076	
24	a	2.220	0.920	1.300	3.31	0.393	0.411	0.635	0.260	0.375	3.46	0.108	0.110
	b	2.395	0.920	1.475	3.43	0.430		0.625	0.240	0.385	3.43	0.112	
27	a	2.260	0.920	1.340	3.29	0.407	0.401	0.610	0.260	0.350	3.22	0.109	0.112
	b	2.105	0.920	1.185	3.00	0.395		0.610	0.240	0.370	3.21	0.115	
30	a	2.410	0.920	1.490	3.43	0.434	0.439	0.635	0.260	0.375	3.4	0.110	0.112
	b	2.505	0.920	1.585	3.57	0.444		0.610	0.240	0.370	3.23	0.115	
33	a							0.650	0.260	0.390	3.56	0.110	0.109
	b							0.590	0.240	0.350	3.2	0.109	
36	a							0.500	0.260	0.240	3.31	0.073	0.073
	b							0.480	0.240	0.240	3.29	0.073	
39	a							0.415	0.260	0.155	3.38	0.046	0.044
	b							0.375	0.240	0.135	3.2	0.042	

Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
42	a							0.355	0.260	0.095	3.35	0.028	0.028
	b							0.330	0.240	0.090	3.19	0.028	
45	a							0.365	0.260	0.105	3.47	0.030	0.029
	b							0.325	0.240	0.085	3.08	0.028	
48	a							0.315	0.260	0.055	3.37	0.016	0.016
	b							0.290	0.240	0.050	3.1	0.016	
51	a							0.295	0.260	0.035	3.16	0.011	0.013
	b							0.285	0.240	0.045	3.03	0.015	
54	a							0.295	0.260	0.035	3.1	0.011	0.011
	b							0.275	0.240	0.035	3.08	0.011	
57	a							0.290	0.260	0.030	3.37	0.009	0.009
	b							0.270	0.240	0.030	3.16	0.009	
60	a							0.290	0.260	0.030	3.39	0.009	0.009
	b							0.270	0.240	0.030	3.09	0.010	

Debit *Outflow*



Hasil Pengujian Variasi T-2

Tanggal : Rabu, 30 Oktober 2019

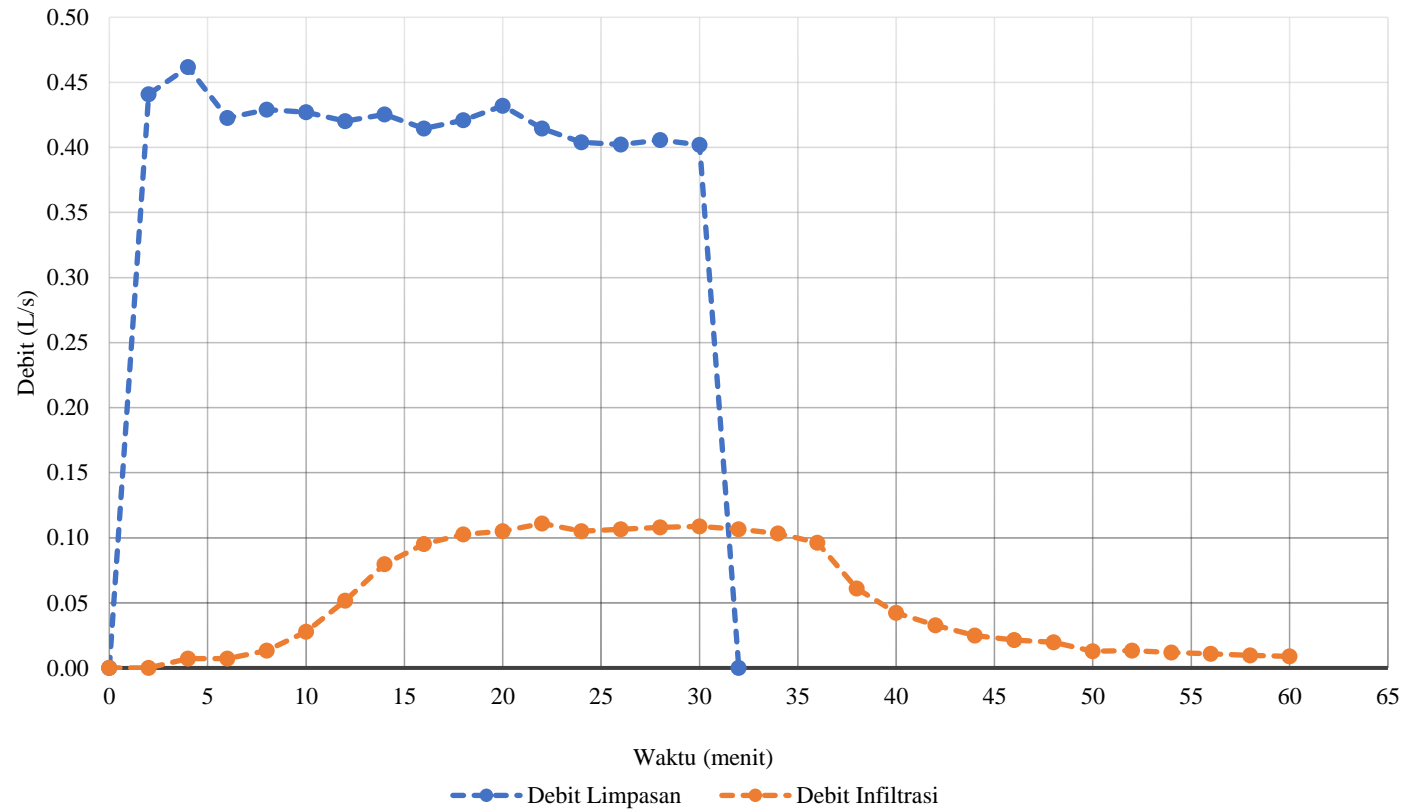
Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3	2.85	2.68
Volume air (L), V	3	2.85	2.68
Waktu (s), t	3.68	3.58	3.46
Debit ukur (L/s), $Q=V/t$	0.815	0.796	0.775
Debit rata-rata (L/s)	0.795		

Debit Outflow													
Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
		W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$		W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	
2	a	1.790	0.260	1.530	3.47	0.441	0.441						
	b	1.630	0.260	1.370	3.11	0.441							
4	a	1.750	0.260	1.490	3.28	0.454	0.462	1.535	0.670	0.865	120	0.007	0.007
	b	1.855	0.260	1.595	3.40	0.469							
6	a	1.765	0.260	1.505	3.49	0.431	0.423	1.535	0.665	0.870	120	0.007	0.007
	b	1.605	0.260	1.345	3.25	0.414							
8	a	1.680	0.260	1.420	3.30	0.430	0.429	2.280	0.670	1.610	120	0.013	0.013
	b	1.655	0.260	1.395	3.26	0.428							
10	a	1.675	0.260	1.415	3.35	0.422	0.427	4.005	0.665	3.340	120	0.028	0.028
	b	1.615	0.260	1.355	3.14	0.432							

Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
12	a	1.640	0.260	1.380	3.35	0.412	0.420	6.860	0.670	6.190	120	0.052	0.052
	b	1.730	0.260	1.470	3.43	0.429							
14	a	1.700	0.260	1.440	3.37	0.427	0.425	10.245	0.665	9.580	120	0.080	0.080
	b	1.585	0.260	1.325	3.13	0.423							
16	a	1.570	0.260	1.310	3.16	0.415	0.414	12.105	0.670	11.435	120	0.095	0.095
	b	1.640	0.260	1.380	3.33	0.414							
18	a	1.645	0.260	1.385	3.29	0.421	0.421	12.990	0.665	12.325	120	0.103	0.103
	b	1.645	0.260	1.385	3.29	0.421							
20	a	1.660	0.260	1.400	3.22	0.435	0.432	13.265	0.670	12.595	120	0.105	0.105
	b	1.610	0.250	1.360	3.17	0.429							
22	a	1.650	0.260	1.390	3.48	0.399	0.414	13.990	0.665	13.325	120	0.111	0.111
	b	1.740	0.250	1.490	3.47	0.429							
24	a	1.615	0.260	1.355	3.15	0.430	0.404	13.290	0.670	12.620	120	0.105	0.105
	b	2.245	0.920	1.325	3.51	0.377							
26	a	1.610	0.260	1.350	3.31	0.408	0.402	13.450	0.665	12.785	120	0.107	0.107
	b	2.240	0.920	1.320	3.33	0.396							
28	a	1.625	0.260	1.365	3.49	0.391	0.406	13.630	0.670	12.960	120	0.108	0.108
	b	2.235	0.920	1.315	3.13	0.420							
30	a	1.655	0.250	1.405	3.49	0.403	0.402	13.730	0.665	13.065	120	0.109	0.109
	b	2.200	0.920	1.280	3.19	0.401							
32	a							13.455	0.670	12.785	120	0.107	0.107
	b												
34	a							13.055	0.665	12.390	120	0.103	0.103
	b												

Waktu (menit)	Sample	Debit Limpasan						Debit Infiltrasi					
		Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Debit rata-rata (L/s)
36	a b							12.205	0.670	11.535	120	0.096	0.096
38	a b							7.995	0.665	7.330	120	0.061	0.061
40	a b							5.750	0.670	5.080	120	0.042	0.042
42	a b							4.585	0.665	3.920	120	0.033	0.033
44	a b							3.650	0.670	2.980	120	0.025	0.025
46	a b							3.240	0.665	2.575	120	0.021	0.021
48	a b							3.045	0.670	2.375	120	0.020	0.020
50	a b							2.220	0.665	1.555	120	0.013	0.013
52	a b							2.265	0.670	1.595	120	0.013	0.013
54	a b							2.090	0.665	1.425	120	0.012	0.012
56	a b							1.975	0.670	1.305	120	0.011	0.011
58	a b							1.835	0.665	1.170	120	0.010	0.010
60								1.745	0.670	1.075	120	0.009	0.009

Debit *Outflow*



Hasil Pengujian Variasi P-1 Uji ke-1

Tanggal : Sabtu, 2 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.595	2.645	2.825
Volume air (L), V	2.595	2.645	2.825
Waktu (s), t	3.06	3.11	3.17
Debit ukur (L/s), $Q=V/t$	0.848	0.850	0.891
Debit rata-rata (L/s)	0.863		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_a	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_a	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.260	0.260	0.000	30	0.000
2.00	1.370	0.930	0.440	30	0.015	0.260	0.260	0.000	30	0.000
2.30	5.900	0.925	4.975	30	0.166	0.275	0.260	0.015	30	0.001
3.00	8.125	0.930	7.195	30	0.240	0.880	0.260	0.620	30	0.021
3.30	9.285	0.925	8.360	30	0.279	1.045	0.260	0.785	30	0.026
4.00	9.820	0.930	8.890	30	0.296	0.995	0.260	0.735	30	0.025

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	10.110	0.925	9.185	30	0.306	0.765	0.260	0.505	30	0.017
5.00	10.130	0.930	9.200	30	0.307	0.655	0.260	0.395	30	0.013
5.30	10.540	0.925	9.615	30	0.321	0.715	0.260	0.455	30	0.015
6.00	10.090	0.930	9.160	30	0.305	1.250	0.260	0.990	30	0.033
6.30	10.005	0.925	9.080	30	0.303	1.770	0.260	1.510	30	0.050
7.00	9.935	0.930	9.005	30	0.300	2.185	0.260	1.925	30	0.064
7.30	9.490	0.925	8.565	30	0.286	2.475	0.260	2.215	30	0.074
8.00	9.570	0.930	8.640	30	0.288	2.760	0.260	2.500	30	0.083
8.30	9.545	0.925	8.620	30	0.287	3.160	0.260	2.900	30	0.097
9.00	9.625	0.930	8.695	30	0.290	3.875	0.260	3.615	30	0.121
9.30	9.225	0.925	8.300	30	0.277	4.020	0.260	3.760	30	0.125
10.00	9.450	0.930	8.520	30	0.284	4.605	0.260	4.345	30	0.145
10.30	9.590	0.925	8.665	30	0.289	5.100	0.260	4.840	30	0.161
11.00	8.745	0.930	7.815	30	0.261	5.995	0.260	5.735	30	0.191
11.30	9.185	0.925	8.260	30	0.275	4.875	0.260	4.615	30	0.154
12.00	9.245	0.930	8.315	30	0.277	5.990	0.670	5.320	30	0.177
12.30	8.675	0.925	7.750	30	0.258	5.185	0.665	4.520	30	0.151
13.00	9.260	0.930	8.330	30	0.278	5.965	0.670	5.295	30	0.177
13.30	8.260	0.925	7.335	30	0.245	6.955	0.665	6.290	30	0.210
14.00	8.670	0.930	7.740	30	0.258	6.120	0.670	5.450	30	0.182
14.30	8.600	0.925	7.675	30	0.256	6.205	0.665	5.540	30	0.185
15.00	8.190	0.930	7.260	30	0.242	6.230	0.670	5.560	30	0.185

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	8.455	0.925	7.530	30	0.251	6.335	0.665	5.670	30	0.189
16.00	8.370	0.930	7.440	30	0.248	6.480	0.670	5.810	30	0.194
16.30	8.400	0.925	7.475	30	0.249	6.380	0.665	5.715	30	0.191
17.00	8.080	0.930	7.150	30	0.238	6.370	0.670	5.700	30	0.190
17.30	8.345	0.925	7.420	30	0.247	6.675	0.665	6.010	30	0.200
18.00	8.335	0.930	7.405	30	0.247	7.070	0.670	6.400	30	0.213
18.30	8.130	0.925	7.205	30	0.240	6.065	0.665	5.400	30	0.180
19.00	7.955	0.930	7.025	30	0.234	6.710	0.670	6.040	30	0.201
19.30	8.050	0.925	7.125	30	0.238	6.820	0.665	6.155	30	0.205
20.00	8.195	0.930	7.265	30	0.242	6.625	0.670	5.955	30	0.199
20.30	8.190	0.925	7.265	30	0.242	6.725	0.665	6.060	30	0.202
21.00	8.235	0.930	7.305	30	0.244	6.695	0.670	6.025	30	0.201
21.30	9.030	0.925	8.105	30	0.270	7.080	0.665	6.415	30	0.214
22.00	7.495	0.930	6.565	30	0.219	6.340	0.670	5.670	30	0.189
22.30	8.260	0.925	7.335	30	0.245	7.120	0.665	6.455	30	0.215
23.00	8.365	0.930	7.435	30	0.248	6.950	0.670	6.280	30	0.209
23.30	8.360	0.925	7.435	30	0.248	7.590	0.665	6.925	30	0.231
24.00	7.795	0.930	6.865	30	0.229	6.590	0.670	5.920	30	0.197
24.30	8.040	0.925	7.115	30	0.237	7.140	0.665	6.475	30	0.216
25.00	8.140	0.930	7.210	30	0.240	7.335	0.670	6.665	30	0.222
25.30	7.945	0.925	7.020	30	0.234	7.160	0.665	6.495	30	0.217
26.00	8.115	0.930	7.185	30	0.240	7.335	0.670	6.665	30	0.222

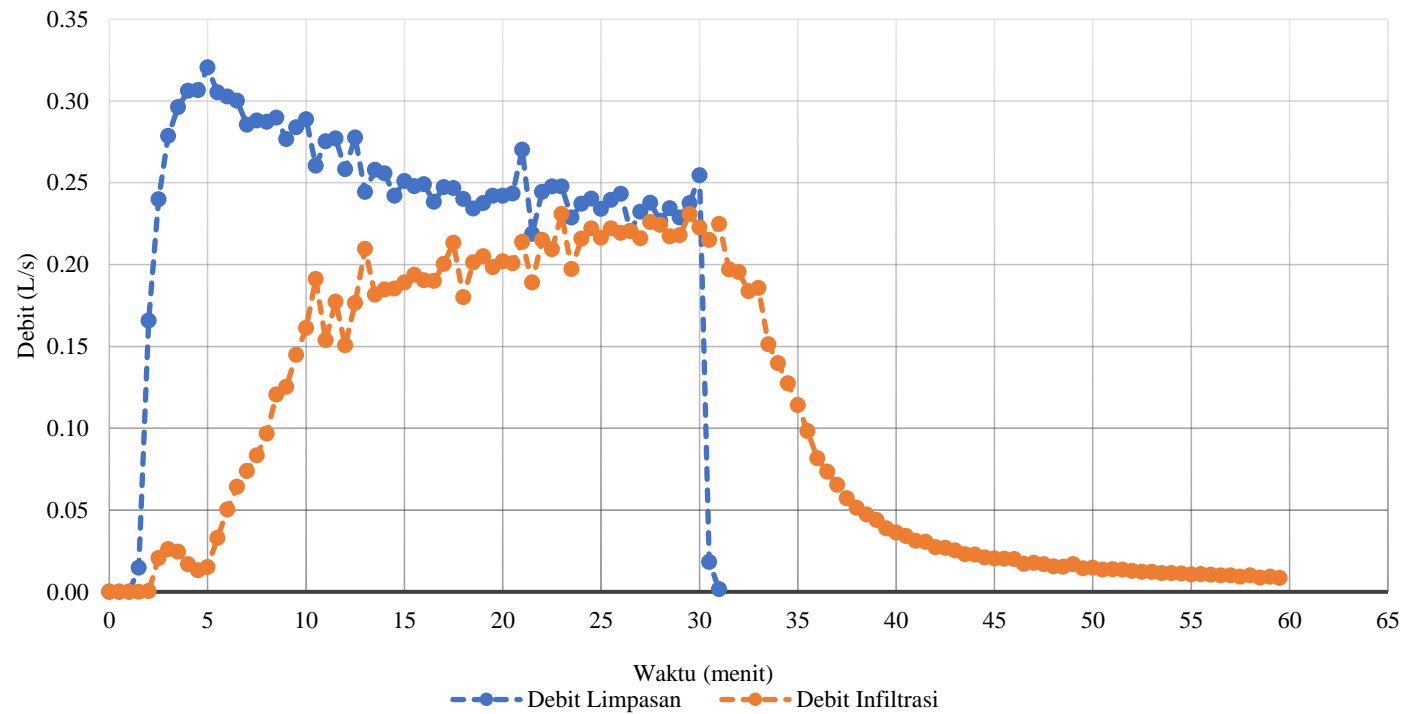
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	8.225	0.925	7.300	30	0.243	7.245	0.665	6.580	30	0.219
27.00	7.545	0.930	6.615	30	0.221	7.285	0.670	6.615	30	0.221
27.30	7.892	0.925	6.967	30	0.232	7.145	0.665	6.480	30	0.216
28.00	8.065	0.930	7.135	30	0.238	7.450	0.670	6.780	30	0.226
28.30	7.730	0.925	6.805	30	0.227	7.395	0.665	6.730	30	0.224
29.00	7.965	0.930	7.035	30	0.235	7.185	0.670	6.515	30	0.217
29.30	7.790	0.925	6.865	30	0.229	7.205	0.665	6.540	30	0.218
30.00	8.055	0.930	7.125	30	0.238	7.595	0.670	6.925	30	0.231
30.30	8.565	0.925	7.640	30	0.255	7.345	0.665	6.680	30	0.223
31.00	1.475	0.930	0.545	30	0.018	7.125	0.670	6.455	30	0.215
31.30	0.975	0.925	0.050	30	0.002	7.410	0.665	6.745	30	0.225
32.00						6.585	0.670	5.915	30	0.197
32.30						6.530	0.665	5.865	30	0.196
33.00						6.185	0.670	5.515	30	0.184
33.30						6.235	0.665	5.570	30	0.186
34.00						5.210	0.670	4.540	30	0.151
34.30						4.855	0.665	4.190	30	0.140
35.00						4.085	0.260	3.825	30	0.128
35.30						3.685	0.260	3.425	30	0.114
36.00						3.210	0.260	2.950	30	0.098
36.30						2.710	0.260	2.450	30	0.082
37.00						2.465	0.260	2.205	30	0.074

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.220	0.260	1.960	30	0.065
38.00						1.975	0.260	1.715	30	0.057
38.30						1.800	0.260	1.540	30	0.051
39.00						1.675	0.260	1.415	30	0.047
39.30						1.575	0.260	1.315	30	0.044
40.00						1.425	0.260	1.165	30	0.039
40.30						1.350	0.260	1.090	30	0.036
41.00						1.285	0.260	1.025	30	0.034
41.30						1.195	0.260	0.935	30	0.031
42.00						1.175	0.260	0.915	30	0.031
42.30						1.075	0.260	0.815	30	0.027
43.00						1.065	0.260	0.805	30	0.027
43.30						1.020	0.260	0.760	30	0.025
44.00						0.950	0.260	0.690	30	0.023
44.30						0.945	0.260	0.685	30	0.023
45.00						0.890	0.260	0.630	30	0.021
45.30						0.875	0.260	0.615	30	0.021
46.00						0.865	0.260	0.605	30	0.020
46.30						0.860	0.260	0.600	30	0.020
47.00						0.770	0.260	0.510	30	0.017
47.30						0.790	0.260	0.530	30	0.018
48.00						0.765	0.260	0.505	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.725	0.260	0.465	30	0.016
49.00						0.720	0.260	0.460	30	0.015
49.30						0.765	0.260	0.505	30	0.017
50.00						0.690	0.260	0.430	30	0.014
50.30						0.700	0.260	0.440	30	0.015
51.00						0.665	0.260	0.405	30	0.014
51.30						0.670	0.260	0.410	30	0.014
52.00						0.665	0.260	0.405	30	0.014
52.30						0.645	0.260	0.385	30	0.013
53.00						0.625	0.260	0.365	30	0.012
53.30						0.625	0.260	0.365	30	0.012
54.00						0.605	0.260	0.345	30	0.012
54.30						0.605	0.260	0.345	30	0.012
55.00						0.595	0.260	0.335	30	0.011
55.30						0.580	0.260	0.320	30	0.011
56.00						0.585	0.260	0.325	30	0.011
56.30						0.570	0.260	0.310	30	0.010
57.00						0.560	0.260	0.300	30	0.010
57.30						0.560	0.260	0.300	30	0.010
58.00						0.540	0.260	0.280	30	0.009
58.30						0.560	0.260	0.300	30	0.010
59.00						0.520	0.260	0.260	30	0.009

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.540	0.260	0.280	30	0.009
60.00						0.515	0.260	0.255	30	0.009

Debit *Outflow*



Hasil Pengujian Variasi P-1 Uji ke-2

Tanggal : Sabtu, 2 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.885	2.920	3.125
Volume air (L), V	2.885	2.920	3.125
Waktu (s), t	3.47	3.5	3.56
Debit ukur (L/s), $Q=V/t$	0.831	0.834	0.878
Debit rata-rata (L/s)	0.848		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.270	0.260	0.010	30	0.000
1.30	1.460	0.930	0.530	30	0.018	0.265	0.260	0.005	30	0.000
2.00	7.420	0.925	6.495	30	0.217	0.275	0.260	0.015	30	0.001
2.30	8.335	0.930	7.405	30	0.247	0.445	0.260	0.185	30	0.006
3.00	10.400	0.925	9.475	30	0.316	0.750	0.260	0.490	30	0.016
3.30	10.865	0.930	9.935	30	0.331	0.750	0.260	0.490	30	0.016
4.00	11.815	0.925	10.890	30	0.363	0.660	0.260	0.400	30	0.013

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	11.710	0.930	10.780	30	0.359	0.650	0.260	0.390	30	0.013
5.00	11.445	0.925	10.520	30	0.351	0.595	0.260	0.335	30	0.011
5.30	11.570	0.930	10.640	30	0.355	0.600	0.260	0.340	30	0.011
6.00	11.800	0.925	10.875	30	0.363	0.565	0.260	0.305	30	0.010
6.30	11.760	0.930	10.830	30	0.361	0.520	0.260	0.260	30	0.009
7.00	14.925	0.925	14.000	30	0.467	0.605	0.260	0.345	30	0.012
7.30	8.940	0.930	8.010	30	0.267	1.040	0.260	0.780	30	0.026
8.00	11.885	0.925	10.960	30	0.365	1.455	0.260	1.195	30	0.040
8.30	11.470	0.930	10.540	30	0.351	1.780	0.260	1.520	30	0.051
9.00	11.225	0.925	10.300	30	0.343	2.030	0.260	1.770	30	0.059
9.30	13.170	0.930	12.240	30	0.408	2.250	0.260	1.990	30	0.066
10.00	10.310	0.925	9.385	30	0.313	2.205	0.260	1.945	30	0.065
10.30	11.055	0.930	10.125	30	0.338	2.430	0.260	2.170	30	0.072
11.00	11.390	0.925	10.465	30	0.349	2.985	0.260	2.725	30	0.091
11.30	11.315	0.930	10.385	30	0.346	3.170	0.260	2.910	30	0.097
12.00	11.400	0.925	10.475	30	0.349	3.405	0.260	3.145	30	0.105
12.30	11.410	0.930	10.480	30	0.349	3.675	0.260	3.415	30	0.114
13.00	11.455	0.925	10.530	30	0.351	4.065	0.260	3.805	30	0.127
13.30	11.240	0.930	10.310	30	0.344	4.230	0.260	3.970	30	0.132
14.00	11.385	0.925	10.460	30	0.349	4.280	0.260	4.020	30	0.134
14.30	10.650	0.930	9.720	30	0.324	4.440	0.260	4.180	30	0.139
15.00	11.025	0.925	10.100	30	0.337	4.500	0.260	4.240	30	0.141

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	10.690	0.930	9.760	30	0.325	4.780	0.260	4.520	30	0.151
16.00	11.110	0.925	10.185	30	0.340	4.700	0.260	4.440	30	0.148
16.30	10.815	0.930	9.885	30	0.330	4.750	0.260	4.490	30	0.150
17.00	10.725	0.925	9.800	30	0.327	4.985	0.260	4.725	30	0.158
17.30	11.040	0.930	10.110	30	0.337	4.885	0.260	4.625	30	0.154
18.00	10.690	0.925	9.765	30	0.326	5.075	0.260	4.815	30	0.161
18.30	10.835	0.930	9.905	30	0.330	4.770	0.260	4.510	30	0.150
19.00	11.285	0.925	10.360	30	0.345	5.150	0.260	4.890	30	0.163
19.30	11.005	0.930	10.075	30	0.336	5.180	0.260	4.920	30	0.164
20.00	10.570	0.925	9.645	30	0.322	5.285	0.260	5.025	30	0.168
20.30	10.415	0.930	9.485	30	0.316	5.175	0.260	4.915	30	0.164
21.00	10.855	0.925	9.930	30	0.331	5.370	0.260	5.110	30	0.170
21.30	10.250	0.930	9.320	30	0.311	5.150	0.260	4.890	30	0.163
22.00	10.835	0.925	9.910	30	0.330	5.565	0.260	5.305	30	0.177
22.30	10.530	0.930	9.600	30	0.320	5.240	0.260	4.980	30	0.166
23.00	10.740	0.925	9.815	30	0.327	5.555	0.260	5.295	30	0.177
23.30	10.210	0.930	9.280	30	0.309	5.355	0.260	5.095	30	0.170
24.00	10.435	0.925	9.510	30	0.317	5.140	0.260	4.880	30	0.163
24.30	10.300	0.930	9.370	30	0.312	5.580	0.260	5.320	30	0.177
25.00	10.350	0.925	9.425	30	0.314	5.445	0.260	5.185	30	0.173
25.30	10.165	0.930	9.235	30	0.308	5.485	0.260	5.225	30	0.174
26.00	10.665	0.925	9.740	30	0.325	5.210	0.260	4.950	30	0.165

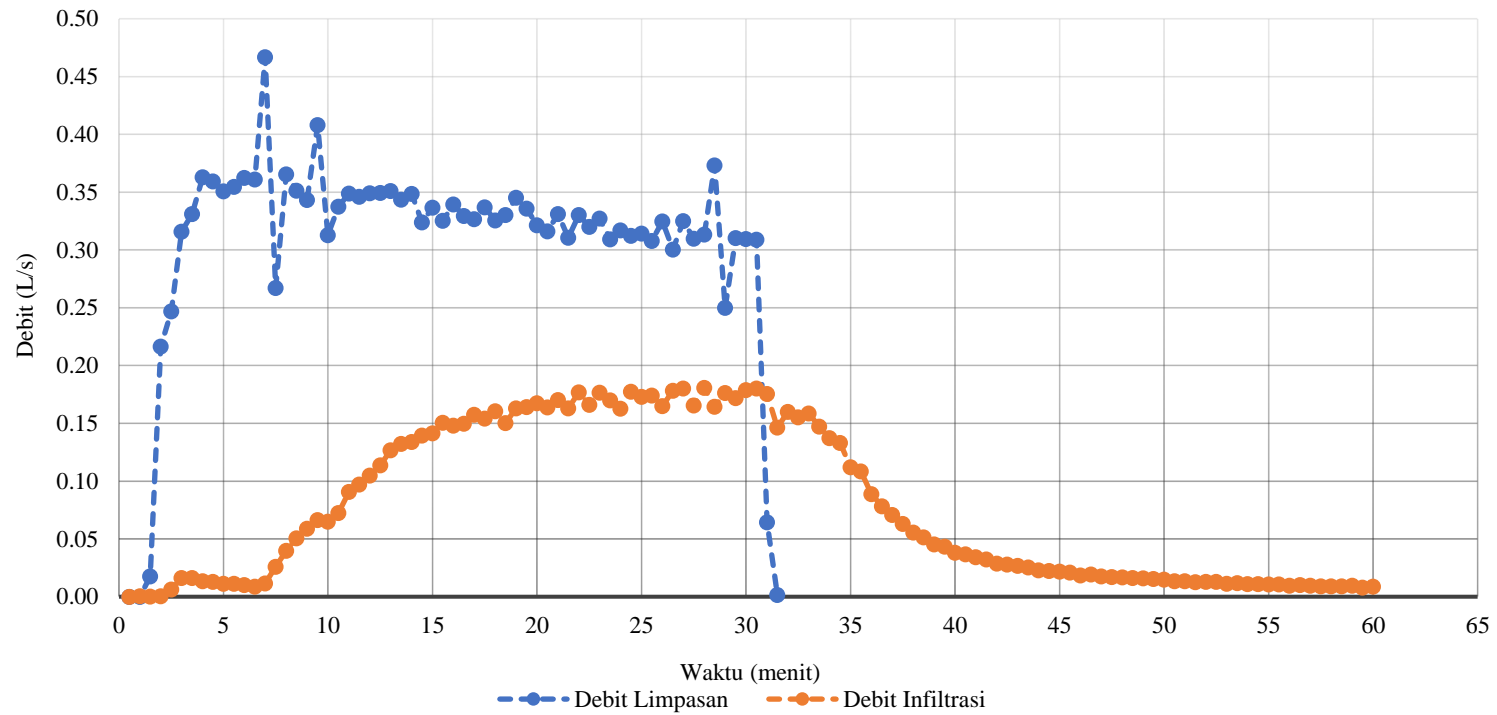
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	9.940	0.930	9.010	30	0.300	5.610	0.260	5.350	30	0.178
27.00	10.675	0.925	9.750	30	0.325	5.665	0.260	5.405	30	0.180
27.30	10.225	0.930	9.295	30	0.310	5.225	0.260	4.965	30	0.166
28.00	10.330	0.925	9.405	30	0.314	5.680	0.260	5.420	30	0.181
28.30	12.125	0.930	11.195	30	0.373	5.190	0.260	4.930	30	0.164
29.00	8.425	0.925	7.500	30	0.250	5.550	0.260	5.290	30	0.176
29.30	10.240	0.930	9.310	30	0.310	5.420	0.260	5.160	30	0.172
30.00	10.210	0.925	9.285	30	0.310	5.620	0.260	5.360	30	0.179
30.30	10.195	0.930	9.265	30	0.309	5.665	0.260	5.405	30	0.180
31.00	2.860	0.925	1.935	30	0.065	5.520	0.260	5.260	30	0.175
31.30	0.975	0.925	0.050	30	0.002	4.650	0.260	4.390	30	0.146
32.00						5.060	0.260	4.800	30	0.160
32.30						4.920	0.260	4.660	30	0.155
33.00						5.020	0.260	4.760	30	0.159
33.30						4.675	0.260	4.415	30	0.147
34.00						4.375	0.260	4.115	30	0.137
34.30						4.250	0.260	3.990	30	0.133
35.00						3.625	0.260	3.365	30	0.112
35.30						3.510	0.260	3.250	30	0.108
36.00						2.920	0.260	2.660	30	0.089
36.30						2.610	0.260	2.350	30	0.078
37.00						2.380	0.260	2.120	30	0.071

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.150	0.260	1.890	30	0.063
38.00						1.930	0.260	1.670	30	0.056
38.30						1.805	0.260	1.545	30	0.052
39.00						1.620	0.260	1.360	30	0.045
39.30						1.560	0.260	1.300	30	0.043
40.00						1.400	0.260	1.140	30	0.038
40.30						1.365	0.260	1.105	30	0.037
41.00						1.290	0.260	1.030	30	0.034
41.30						1.225	0.260	0.965	30	0.032
42.00						1.125	0.260	0.865	30	0.029
42.30						1.100	0.260	0.840	30	0.028
43.00						1.060	0.260	0.800	30	0.027
43.30						1.025	0.260	0.765	30	0.026
44.00						0.945	0.260	0.685	30	0.023
44.30						0.930	0.260	0.670	30	0.022
45.00						0.915	0.260	0.655	30	0.022
45.30						0.885	0.260	0.625	30	0.021
46.00						0.810	0.260	0.550	30	0.018
46.30						0.835	0.260	0.575	30	0.019
47.00						0.790	0.260	0.530	30	0.018
47.30						0.770	0.260	0.510	30	0.017
48.00						0.760	0.260	0.500	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.750	0.260	0.490	30	0.016
49.00						0.735	0.260	0.475	30	0.016
49.30						0.720	0.260	0.460	30	0.015
50.00						0.705	0.260	0.445	30	0.015
50.30						0.660	0.260	0.400	30	0.013
51.00						0.660	0.260	0.400	30	0.013
51.30						0.635	0.260	0.375	30	0.013
52.00						0.645	0.260	0.385	30	0.013
52.30						0.650	0.260	0.390	30	0.013
53.00						0.595	0.260	0.335	30	0.011
53.30						0.615	0.260	0.355	30	0.012
54.00						0.590	0.260	0.330	30	0.011
54.30						0.590	0.260	0.330	30	0.011
55.00						0.580	0.260	0.320	30	0.011
55.30						0.585	0.260	0.325	30	0.011
56.00						0.550	0.260	0.290	30	0.010
56.30						0.565	0.260	0.305	30	0.010
57.00						0.550	0.260	0.290	30	0.010
57.30						0.535	0.260	0.275	30	0.009
58.00						0.530	0.260	0.270	30	0.009
58.30						0.530	0.260	0.270	30	0.009
59.00						0.545	0.260	0.285	30	0.010

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.500	0.260	0.240	30	0.008
60.00						0.520	0.260	0.260	30	0.009

Debit *Outflow*



Hasil Pengujian Variasi P-2 Uji ke-1

Tanggal : Selasa, 5 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.45	2.465	2.685
Volume air (L), V	2.45	2.465	2.685
Waktu (s), t	3.3	2.94	3.56
Debit ukur (L/s), $Q=V/t$	0.831	0.742	0.838
Debit rata-rata (L/s)	0.848		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.30	2.660	0.930	1.730	30	0.058	0.000	0.000	0.000	30	0.000
3.00	7.325	0.925	6.400	30	0.213	0.750	0.260	0.490	30	0.016
3.30	8.450	0.930	7.520	30	0.251	1.985	0.260	1.725	30	0.058
4.00	8.695	0.925	7.770	30	0.259	1.570	0.260	1.310	30	0.044

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	8.895	0.930	7.965	30	0.266	1.060	0.260	0.800	30	0.027
5.00	9.040	0.925	8.115	30	0.271	0.940	0.260	0.680	30	0.023
5.30	8.925	0.930	7.995	30	0.267	0.730	0.260	0.470	30	0.016
6.00	8.895	0.925	7.970	30	0.266	0.580	0.260	0.320	30	0.011
6.30	9.225	0.930	8.295	30	0.277	0.495	0.260	0.235	30	0.008
7.00	8.535	0.925	7.610	30	0.254	0.490	0.260	0.230	30	0.008
7.30	7.850	0.930	6.920	30	0.231	1.125	0.260	0.865	30	0.029
8.00	7.875	0.925	6.950	30	0.232	2.065	0.260	1.805	30	0.060
8.30	8.080	0.930	7.150	30	0.238	2.745	0.260	2.485	30	0.083
9.00	7.560	0.925	6.635	30	0.221	3.065	0.260	2.805	30	0.094
9.30	7.570	0.930	6.640	30	0.221	3.500	0.260	3.240	30	0.108
10.00	7.405	0.925	6.480	30	0.216	4.085	0.260	3.825	30	0.128
10.30	7.290	0.930	6.360	30	0.212	5.010	0.260	4.750	30	0.158
11.00	7.070	0.925	6.145	30	0.205	5.700	0.260	5.440	30	0.181
11.30	7.025	0.930	6.095	30	0.203	6.090	0.670	5.420	30	0.181
12.00	6.875	0.925	5.950	30	0.198	6.370	0.665	5.705	30	0.190
12.30	6.730	0.930	5.800	30	0.193	6.680	0.670	6.010	30	0.200
13.00	7.170	0.925	6.245	30	0.208	7.035	0.665	6.370	30	0.212
13.30	6.630	0.930	5.700	30	0.190	7.025	0.670	6.355	30	0.212
14.00	6.885	0.925	5.960	30	0.199	7.135	0.665	6.470	30	0.216
14.30	6.660	0.930	5.730	30	0.191	7.155	0.670	6.485	30	0.216
15.00	6.845	0.925	5.920	30	0.197	7.250	0.665	6.585	30	0.220

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	6.630	0.930	5.700	30	0.190	7.370	0.670	6.700	30	0.223
16.00	6.925	0.925	6.000	30	0.200	7.615	0.665	6.950	30	0.232
16.30	7.035	0.930	6.105	30	0.204	7.700	0.670	7.030	30	0.234
17.00	6.645	0.925	5.720	30	0.191	7.400	0.665	6.735	30	0.225
17.30	6.865	0.930	5.935	30	0.198	7.680	0.670	7.010	30	0.234
18.00	6.815	0.925	5.890	30	0.196	7.670	0.665	7.005	30	0.234
18.30	6.980	0.930	6.050	30	0.202	7.805	0.670	7.135	30	0.238
19.00	6.675	0.925	5.750	30	0.192	7.475	0.665	6.810	30	0.227
19.30	6.780	0.930	5.850	30	0.195	7.710	0.670	7.040	30	0.235
20.00	6.835	0.925	5.910	30	0.197	7.705	0.665	7.040	30	0.235
20.30	6.700	0.930	5.770	30	0.192	7.690	0.670	7.020	30	0.234
21.00	6.885	0.925	5.960	30	0.199	7.930	0.665	7.265	30	0.242
21.30	6.640	0.930	5.710	30	0.190	7.665	0.670	6.995	30	0.233
22.00	6.670	0.925	5.745	30	0.192	7.700	0.665	7.035	30	0.235
22.30	6.640	0.930	5.710	30	0.190	7.795	0.670	7.125	30	0.238
23.00	6.555	0.925	5.630	30	0.188	7.690	0.665	7.025	30	0.234
23.30	6.530	0.930	5.600	30	0.187	7.905	0.670	7.235	30	0.241
24.00	6.465	0.925	5.540	30	0.185	7.795	0.665	7.130	30	0.238
24.30	6.515	0.930	5.585	30	0.186	7.720	0.670	7.050	30	0.235
25.00	6.430	0.925	5.505	30	0.184	7.720	0.665	7.055	30	0.235
25.30	6.405	0.930	5.475	30	0.183	7.880	0.670	7.210	30	0.240
26.00	6.550	0.925	5.625	30	0.188	7.780	0.665	7.115	30	0.237

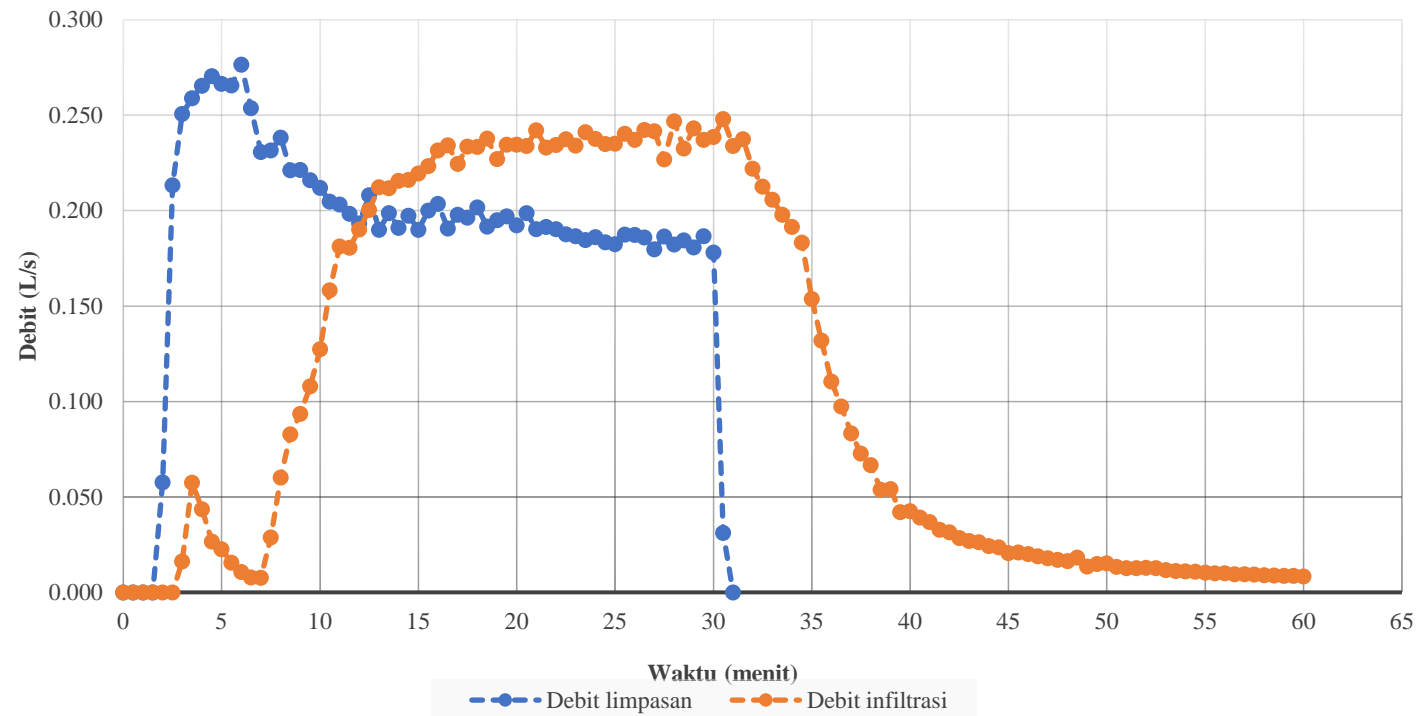
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	6.550	0.930	5.620	30	0.187	7.940	0.670	7.270	30	0.242
27.00	6.505	0.925	5.580	30	0.186	7.915	0.665	7.250	30	0.242
27.30	6.325	0.930	5.395	30	0.180	7.475	0.670	6.805	30	0.227
28.00	6.520	0.925	5.595	30	0.187	8.070	0.665	7.405	30	0.247
28.30	6.400	0.930	5.470	30	0.182	7.650	0.670	6.980	30	0.233
29.00	6.460	0.925	5.535	30	0.185	7.960	0.665	7.295	30	0.243
29.30	6.355	0.930	5.425	30	0.181	7.785	0.670	7.115	30	0.237
30.00	6.525	0.925	5.600	30	0.187	7.825	0.665	7.160	30	0.239
30.30	6.275	0.930	5.345	30	0.178	8.110	0.670	7.440	30	0.248
31.00	1.860	0.925	0.935	30	0.031	7.685	0.665	7.020	30	0.234
31.30			0.000	30	0.000	7.795	0.670	7.125	30	0.238
32.00						7.325	0.665	6.660	30	0.222
32.30						7.050	0.670	6.380	30	0.213
33.00						6.840	0.665	6.175	30	0.206
33.30						6.605	0.670	5.935	30	0.198
34.00						6.410	0.665	5.745	30	0.192
34.30						6.170	0.670	5.500	30	0.183
35.00						5.280	0.665	4.615	30	0.154
35.30						4.630	0.670	3.960	30	0.132
36.00						3.575	0.260	3.315	30	0.111
36.30						3.185	0.260	2.925	30	0.098
37.00						2.760	0.260	2.500	30	0.083

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.445	0.260	2.185	30	0.073
38.00						2.260	0.260	2.000	30	0.067
38.30						1.875	0.260	1.615	30	0.054
39.00						1.885	0.260	1.625	30	0.054
39.30						1.525	0.260	1.265	30	0.042
40.00						1.540	0.260	1.280	30	0.043
40.30						1.435	0.260	1.175	30	0.039
41.00						1.365	0.260	1.105	30	0.037
41.30						1.245	0.260	0.985	30	0.033
42.00						1.205	0.260	0.945	30	0.032
42.30						1.115	0.260	0.855	30	0.029
43.00						1.070	0.260	0.810	30	0.027
43.30						1.050	0.260	0.790	30	0.026
44.00						0.990	0.260	0.730	30	0.024
44.30						0.970	0.260	0.710	30	0.024
45.00						0.880	0.260	0.620	30	0.021
45.30						0.890	0.260	0.630	30	0.021
46.00						0.865	0.260	0.605	30	0.020
46.30						0.830	0.260	0.570	30	0.019
47.00						0.800	0.260	0.540	30	0.018
47.30						0.775	0.260	0.515	30	0.017
48.00						0.755	0.260	0.495	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.810	0.260	0.550	30	0.018
49.00						0.665	0.260	0.405	30	0.014
49.30						0.710	0.260	0.450	30	0.015
50.00						0.720	0.260	0.460	30	0.015
50.30						0.660	0.260	0.400	30	0.013
51.00						0.640	0.260	0.380	30	0.013
51.30						0.640	0.260	0.380	30	0.013
52.00						0.645	0.260	0.385	30	0.013
52.30						0.640	0.260	0.380	30	0.013
53.00						0.610	0.260	0.350	30	0.012
53.30						0.595	0.260	0.335	30	0.011
54.00						0.590	0.260	0.330	30	0.011
54.30						0.585	0.260	0.325	30	0.011
55.00						0.570	0.260	0.310	30	0.010
55.30						0.560	0.260	0.300	30	0.010
56.00						0.560	0.260	0.300	30	0.010
56.30						0.545	0.260	0.285	30	0.010
57.00						0.545	0.260	0.285	30	0.010
57.30						0.540	0.260	0.280	30	0.009
58.00						0.530	0.260	0.270	30	0.009
58.30						0.525	0.260	0.265	30	0.009
59.00						0.520	0.260	0.260	30	0.009

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.520	0.260	0.260	30	0.009
60.00						0.510	0.260	0.250	30	0.008

Debit Outflow



Hasil Pengujian Variasi P-2 Uji ke-2

Tanggal : Selasa, 5 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.655	1.735	1.68
Volume air (L), V	2.655	1.735	1.68
Waktu (s), t	3.18	3.08	3.01
Debit ukur (L/s), $Q=V/t$	0.835	0.563	0.558
Debit rata-rata (L/s)	0.652		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.30	1.515	0.930	0.585	30	0.020	0.430	0.260	0.170	30	0.006
3.00	6.380	0.925	5.455	30	0.182	1.035	0.260	0.775	30	0.026
3.30	7.985	0.930	7.055	30	0.235	2.055	0.260	1.795	30	0.060
4.00	8.100	0.925	7.175	30	0.239	1.505	0.260	1.245	30	0.042

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	8.375	0.930	7.445	30	0.248	1.085	0.260	0.825	30	0.028
5.00	8.600	0.925	7.675	30	0.256	0.835	0.260	0.575	30	0.019
5.30	8.275	0.930	7.345	30	0.245	0.610	0.260	0.350	30	0.012
6.00	8.325	0.925	7.400	30	0.247	0.530	0.260	0.270	30	0.009
6.30	8.285	0.930	7.355	30	0.245	0.645	0.260	0.385	30	0.013
7.00	7.750	0.925	6.825	30	0.228	1.485	0.260	1.225	30	0.041
7.30	7.690	0.930	6.760	30	0.225	2.430	0.260	2.170	30	0.072
8.00	7.495	0.925	6.570	30	0.219	2.935	0.260	2.675	30	0.089
8.30	7.540	0.930	6.610	30	0.220	3.355	0.260	3.095	30	0.103
9.00	7.110	0.925	6.185	30	0.206	3.375	0.260	3.115	30	0.104
9.30	7.040	0.930	6.110	30	0.204	4.770	0.260	4.510	30	0.150
10.00	6.725	0.925	5.800	30	0.193	5.370	0.260	5.110	30	0.170
10.30	6.580	0.930	5.650	30	0.188	5.760	0.260	5.500	30	0.183
11.00	6.550	0.925	5.625	30	0.188	6.265	0.670	5.595	30	0.187
11.30	6.570	0.930	5.640	30	0.188	6.690	0.665	6.025	30	0.201
12.00	6.540	0.925	5.615	30	0.187	6.840	0.670	6.170	30	0.206
12.30	6.540	0.930	5.610	30	0.187	7.400	0.665	6.735	30	0.225
13.00	6.435	0.925	5.510	30	0.184	6.705	0.670	6.035	30	0.201
13.30	6.490	0.930	5.560	30	0.185	7.210	0.665	6.545	30	0.218
14.00	6.490	0.925	5.565	30	0.186	7.260	0.670	6.590	30	0.220
14.30	6.400	0.930	5.470	30	0.182	7.490	0.665	6.825	30	0.228
15.00	6.435	0.925	5.510	30	0.184	7.375	0.670	6.705	30	0.224

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	6.670	0.930	5.740	30	0.191	7.455	0.665	6.790	30	0.226
16.00	6.200	0.925	5.275	30	0.176	7.475	0.670	6.805	30	0.227
16.30	6.570	0.930	5.640	30	0.188	7.650	0.665	6.985	30	0.233
17.00	6.530	0.925	5.605	30	0.187	7.260	0.670	6.590	30	0.220
17.30	6.615	0.930	5.685	30	0.190	7.785	0.665	7.120	30	0.237
18.00	6.520	0.925	5.595	30	0.187	7.740	0.670	7.070	30	0.236
18.30	6.490	0.930	5.560	30	0.185	7.625	0.665	6.960	30	0.232
19.00	6.575	0.925	5.650	30	0.188	7.545	0.670	6.875	30	0.229
19.30	6.580	0.930	5.650	30	0.188	7.800	0.665	7.135	30	0.238
20.00	6.515	0.925	5.590	30	0.186	7.685	0.670	7.015	30	0.234
20.30	6.540	0.930	5.610	30	0.187	7.515	0.665	6.850	30	0.228
21.00	6.260	0.925	5.335	30	0.178	7.695	0.670	7.025	30	0.234
21.30	6.425	0.930	5.495	30	0.183	7.535	0.665	6.870	30	0.229
22.00	6.470	0.925	5.545	30	0.185	7.820	0.670	7.150	30	0.238
22.30	6.395	0.930	5.465	30	0.182	7.695	0.665	7.030	30	0.234
23.00	6.420	0.925	5.495	30	0.183	7.815	0.670	7.145	30	0.238
23.30	6.640	0.930	5.710	30	0.190	8.180	0.665	7.515	30	0.251
24.00	6.015	0.925	5.090	30	0.170	7.365	0.670	6.695	30	0.223
24.30	6.235	0.930	5.305	30	0.177	7.590	0.665	6.925	30	0.231
25.00	6.205	0.925	5.280	30	0.176	7.190	0.670	6.520	30	0.217
25.30	6.350	0.930	5.420	30	0.181	8.185	0.665	7.520	30	0.251
26.00	5.915	0.925	4.990	30	0.166	7.400	0.670	6.730	30	0.224

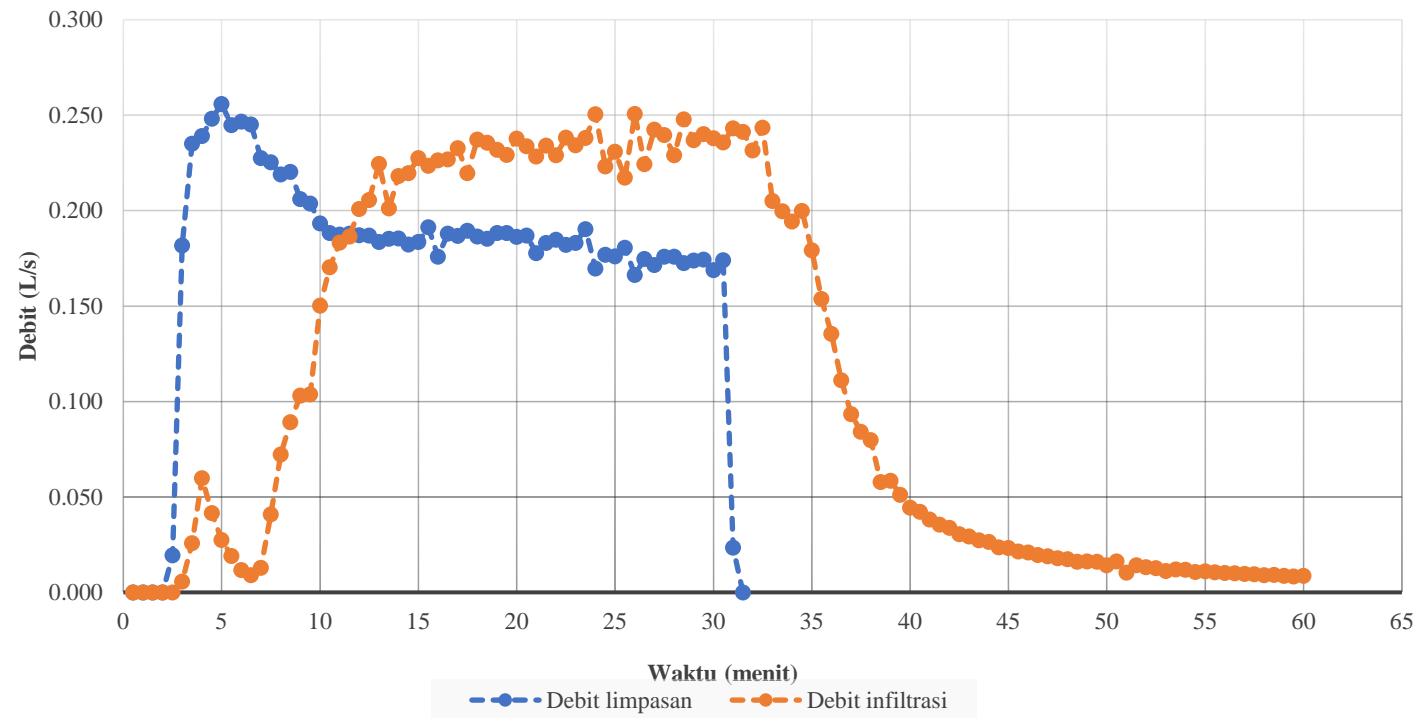
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	6.170	0.930	5.240	30	0.175	7.940	0.665	7.275	30	0.243
27.00	6.070	0.925	5.145	30	0.172	7.860	0.670	7.190	30	0.240
27.30	6.205	0.930	5.275	30	0.176	7.535	0.665	6.870	30	0.229
28.00	6.200	0.925	5.275	30	0.176	8.105	0.670	7.435	30	0.248
28.30	6.105	0.930	5.175	30	0.173	7.775	0.665	7.110	30	0.237
29.00	6.140	0.925	5.215	30	0.174	7.875	0.670	7.205	30	0.240
29.30	6.160	0.930	5.230	30	0.174	7.805	0.665	7.140	30	0.238
30.00	5.990	0.925	5.065	30	0.169	7.745	0.670	7.075	30	0.236
30.30	6.150	0.930	5.220	30	0.174	7.960	0.665	7.295	30	0.243
31.00	1.630	0.925	0.705	30	0.024	7.910	0.670	7.240	30	0.241
31.30			0.000	30	0.000	7.615	0.665	6.950	30	0.232
32.00						7.975	0.670	7.305	30	0.244
32.30						6.820	0.665	6.155	30	0.205
33.00						6.660	0.670	5.990	30	0.200
33.30						6.495	0.665	5.830	30	0.194
34.00						6.665	0.670	5.995	30	0.200
34.30						6.045	0.665	5.380	30	0.179
35.00						5.285	0.670	4.615	30	0.154
35.30						4.730	0.665	4.065	30	0.136
36.00						3.595	0.260	3.335	30	0.111
36.30						3.060	0.260	2.800	30	0.093
37.00						2.785	0.260	2.525	30	0.084

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.655	0.260	2.395	30	0.080
38.00						1.995	0.260	1.735	30	0.058
38.30						2.015	0.260	1.755	30	0.059
39.00						1.795	0.260	1.535	30	0.051
39.30						1.595	0.260	1.335	30	0.045
40.00						1.530	0.260	1.270	30	0.042
40.30						1.405	0.260	1.145	30	0.038
41.00						1.325	0.260	1.065	30	0.036
41.30						1.275	0.260	1.015	30	0.034
42.00						1.175	0.260	0.915	30	0.031
42.30						1.140	0.260	0.880	30	0.029
43.00						1.080	0.260	0.820	30	0.027
43.30						1.055	0.260	0.795	30	0.027
44.00						0.970	0.260	0.710	30	0.024
44.30						0.960	0.260	0.700	30	0.023
45.00						0.905	0.260	0.645	30	0.022
45.30						0.890	0.260	0.630	30	0.021
46.00						0.850	0.260	0.590	30	0.020
46.30						0.830	0.260	0.570	30	0.019
47.00						0.800	0.260	0.540	30	0.018
47.30						0.785	0.260	0.525	30	0.018
48.00						0.745	0.260	0.485	30	0.016

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.750	0.260	0.490	30	0.016
49.00						0.745	0.260	0.485	30	0.016
49.30						0.685	0.260	0.425	30	0.014
50.00						0.750	0.260	0.490	30	0.016
50.30						0.570	0.260	0.310	30	0.010
51.00						0.685	0.260	0.425	30	0.014
51.30						0.655	0.260	0.395	30	0.013
52.00						0.640	0.260	0.380	30	0.013
52.30						0.595	0.260	0.335	30	0.011
53.00						0.620	0.260	0.360	30	0.012
53.30						0.615	0.260	0.355	30	0.012
54.00						0.580	0.260	0.320	30	0.011
54.30						0.590	0.260	0.330	30	0.011
55.00						0.575	0.260	0.315	30	0.011
55.30						0.565	0.260	0.305	30	0.010
56.00						0.560	0.260	0.300	30	0.010
56.30						0.550	0.260	0.290	30	0.010
57.00						0.545	0.260	0.285	30	0.010
57.30						0.530	0.260	0.270	30	0.009
58.00						0.535	0.260	0.275	30	0.009
58.30						0.520	0.260	0.260	30	0.009
59.00						0.510	0.260	0.250	30	0.008

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.520	0.260	0.260	30	0.009
60.00						0.500	0.260	0.240	30	0.008

Debit Outflow



Hasil Pengujian Variasi P-3 Uji ke-1

Tanggal : Minggu, 3 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.53	2.62	2.725
Volume air (L), V	2.53	2.62	2.725
Waktu (s), t	3.12	3.13	3.46
Debit ukur (L/s), $Q=V/t$	0.811	0.837	0.788
Debit rata-rata (L/s)	0.812		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	4.655	0.930	3.725	30	0.124	0.260	0.260	0.000	30	0.000
2.00	11.315	0.925	10.390	30	0.346	0.630	0.260	0.370	30	0.012
2.30	11.470	0.930	10.540	30	0.351	1.125	0.260	0.865	30	0.029
3.00	11.305	0.925	10.380	30	0.346	0.985	0.260	0.725	30	0.024
3.30	12.070	0.930	11.140	30	0.371	0.765	0.260	0.505	30	0.017
4.00	11.790	0.925	10.865	30	0.362	0.625	0.260	0.365	30	0.012

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	11.615	0.930	10.685	30	0.356	0.555	0.260	0.295	30	0.010
5.00	11.715	0.925	10.790	30	0.360	0.495	0.260	0.235	30	0.008
5.30	11.635	0.930	10.705	30	0.357	0.465	0.260	0.205	30	0.007
6.00	11.550	0.925	10.625	30	0.354	0.435	0.260	0.175	30	0.006
6.30	11.895	0.930	10.965	30	0.366	0.405	0.260	0.145	30	0.005
7.00	11.495	0.925	10.570	30	0.352	0.390	0.260	0.130	30	0.004
7.30	11.470	0.930	10.540	30	0.351	0.425	0.260	0.165	30	0.006
8.00	11.410	0.925	10.485	30	0.350	0.755	0.260	0.495	30	0.017
8.30	11.345	0.930	10.415	30	0.347	1.115	0.260	0.855	30	0.029
9.00	11.385	0.925	10.460	30	0.349	1.440	0.260	1.180	30	0.039
9.30	11.225	0.930	10.295	30	0.343	1.745	0.260	1.485	30	0.050
10.00	11.445	0.925	10.520	30	0.351	1.975	0.260	1.715	30	0.057
10.30	11.295	0.930	10.365	30	0.346	2.090	0.260	1.830	30	0.061
11.00	11.210	0.925	10.285	30	0.343	2.235	0.260	1.975	30	0.066
11.30	11.230	0.930	10.300	30	0.343	2.500	0.260	2.240	30	0.075
12.00	11.115	0.925	10.190	30	0.340	2.835	0.260	2.575	30	0.086
12.30	10.900	0.930	9.970	30	0.332	3.095	0.260	2.835	30	0.095
13.00	11.010	0.925	10.085	30	0.336	3.305	0.260	3.045	30	0.102
13.30	11.055	0.930	10.125	30	0.338	3.405	0.260	3.145	30	0.105
14.00	10.925	0.925	10.000	30	0.333	3.595	0.260	3.335	30	0.111
14.30	10.755	0.930	9.825	30	0.328	3.745	0.260	3.485	30	0.116
15.00	10.605	0.925	9.680	30	0.323	3.875	0.260	3.615	30	0.121

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	10.395	0.930	9.465	30	0.316	4.150	0.260	3.890	30	0.130
16.00	10.520	0.925	9.595	30	0.320	4.025	0.260	3.765	30	0.126
16.30	10.615	0.930	9.685	30	0.323	4.200	0.260	3.940	30	0.131
17.00	10.335	0.925	9.410	30	0.314	4.245	0.260	3.985	30	0.133
17.30	10.495	0.930	9.565	30	0.319	4.445	0.260	4.185	30	0.140
18.00	10.375	0.925	9.450	30	0.315	4.395	0.260	4.135	30	0.138
18.30	10.355	0.930	9.425	30	0.314	4.610	0.260	4.350	30	0.145
19.00	10.235	0.925	9.310	30	0.310	4.565	0.260	4.305	30	0.144
19.30	10.325	0.930	9.395	30	0.313	4.665	0.260	4.405	30	0.147
20.00	10.170	0.925	9.245	30	0.308	4.725	0.260	4.465	30	0.149
20.30	10.135	0.930	9.205	30	0.307	4.805	0.260	4.545	30	0.152
21.00	10.015	0.925	9.090	30	0.303	4.800	0.260	4.540	30	0.151
21.30	10.145	0.930	9.215	30	0.307	4.870	0.260	4.610	30	0.154
22.00	10.115	0.925	9.190	30	0.306	4.990	0.260	4.730	30	0.158
22.30	10.035	0.930	9.105	30	0.304	4.970	0.260	4.710	30	0.157
23.00	10.060	0.925	9.135	30	0.305	4.985	0.260	4.725	30	0.158
23.30	10.145	0.930	9.215	30	0.307	5.165	0.260	4.905	30	0.164
24.00	9.910	0.925	8.985	30	0.300	5.150	0.260	4.890	30	0.163
24.30	10.120	0.930	9.190	30	0.306	5.425	0.260	5.165	30	0.172
25.00	10.025	0.925	9.100	30	0.303	5.320	0.260	5.060	30	0.169
25.30	9.950	0.930	9.020	30	0.301	5.360	0.260	5.100	30	0.170
26.00	9.925	0.925	9.000	30	0.300	5.325	0.260	5.065	30	0.169

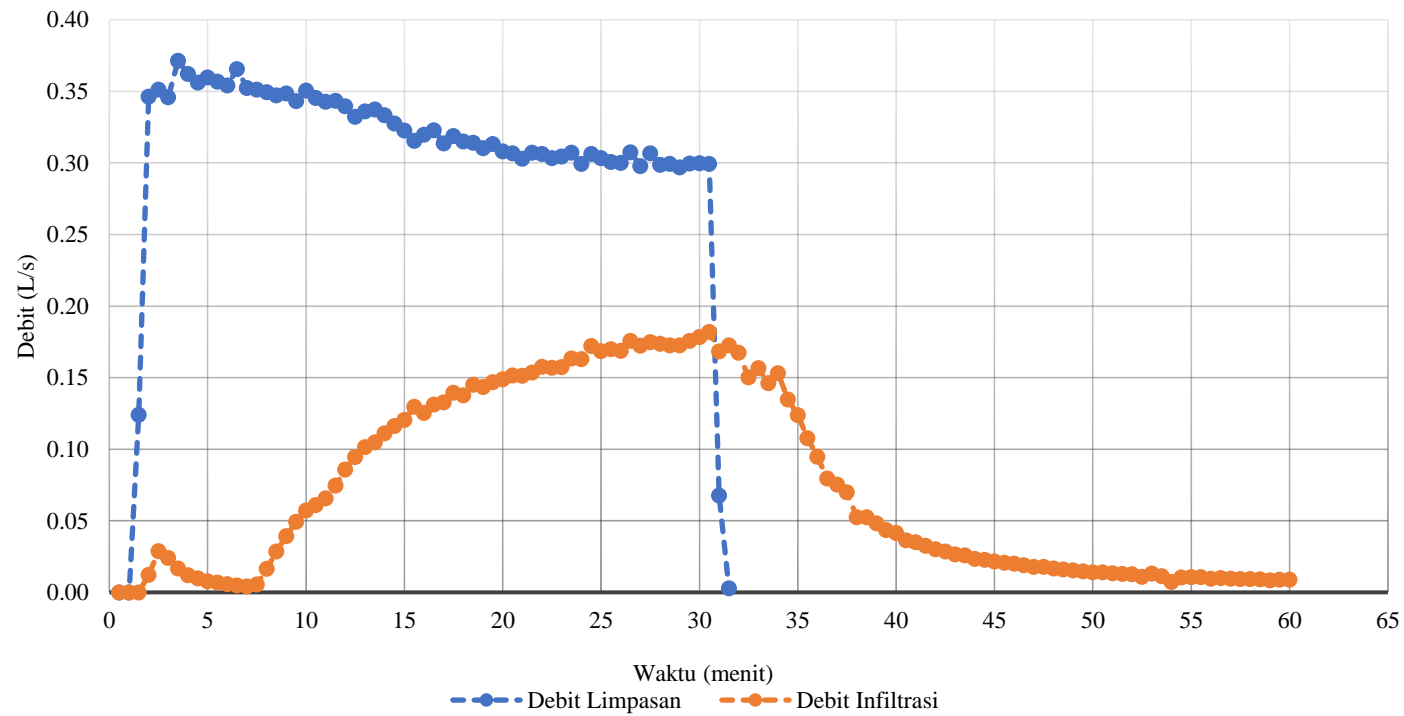
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	10.155	0.930	9.225	30	0.308	5.535	0.260	5.275	30	0.176
27.00	9.860	0.925	8.935	30	0.298	5.430	0.260	5.170	30	0.172
27.30	10.135	0.930	9.205	30	0.307	5.505	0.260	5.245	30	0.175
28.00	9.885	0.925	8.960	30	0.299	5.470	0.260	5.210	30	0.174
28.30	9.910	0.930	8.980	30	0.299	5.440	0.260	5.180	30	0.173
29.00	9.830	0.925	8.905	30	0.297	5.435	0.260	5.175	30	0.173
29.30	9.920	0.930	8.990	30	0.300	5.530	0.260	5.270	30	0.176
30.00	9.920	0.925	8.995	30	0.300	5.610	0.260	5.350	30	0.178
30.30	9.915	0.930	8.985	30	0.300	5.720	0.260	5.460	30	0.182
31.00	2.955	0.925	2.030	30	0.068	5.310	0.260	5.050	30	0.168
31.30	1.020	0.930	0.090	30	0.003	5.440	0.260	5.180	30	0.173
32.00						5.285	0.260	5.025	30	0.168
32.30						4.770	0.260	4.510	30	0.150
33.00						4.965	0.260	4.705	30	0.157
33.30						4.645	0.260	4.385	30	0.146
34.00						4.855	0.260	4.595	30	0.153
34.30						4.305	0.260	4.045	30	0.135
35.00						3.975	0.260	3.715	30	0.124
35.30						3.490	0.260	3.230	30	0.108
36.00						3.105	0.260	2.845	30	0.095
36.30						2.650	0.260	2.390	30	0.080
37.00						2.520	0.260	2.260	30	0.075

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.360	0.260	2.100	30	0.070
38.00						1.835	0.260	1.575	30	0.053
38.30						1.835	0.260	1.575	30	0.053
39.00						1.710	0.260	1.450	30	0.048
39.30						1.565	0.260	1.305	30	0.044
40.00						1.510	0.260	1.250	30	0.042
40.30						1.350	0.260	1.090	30	0.036
41.00						1.310	0.260	1.050	30	0.035
41.30						1.240	0.260	0.980	30	0.033
42.00						1.165	0.260	0.905	30	0.030
42.30						1.120	0.260	0.860	30	0.029
43.00						1.060	0.260	0.800	30	0.027
43.30						1.035	0.260	0.775	30	0.026
44.00						0.965	0.260	0.705	30	0.024
44.30						0.945	0.260	0.685	30	0.023
45.00						0.910	0.260	0.650	30	0.022
45.30						0.885	0.260	0.625	30	0.021
46.00						0.865	0.260	0.605	30	0.020
46.30						0.830	0.260	0.570	30	0.019
47.00						0.795	0.260	0.535	30	0.018
47.30						0.795	0.260	0.535	30	0.018
48.00						0.765	0.260	0.505	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.740	0.260	0.480	30	0.016
49.00						0.720	0.260	0.460	30	0.015
49.30						0.705	0.260	0.445	30	0.015
50.00						0.685	0.260	0.425	30	0.014
50.30						0.685	0.260	0.425	30	0.014
51.00						0.665	0.260	0.405	30	0.014
51.30						0.650	0.260	0.390	30	0.013
52.00						0.645	0.260	0.385	30	0.013
52.30						0.590	0.260	0.330	30	0.011
53.00						0.655	0.260	0.395	30	0.013
53.30						0.600	0.260	0.340	30	0.011
54.00						0.480	0.260	0.220	30	0.007
54.30						0.575	0.260	0.315	30	0.011
55.00						0.585	0.260	0.325	30	0.011
55.30						0.585	0.260	0.325	30	0.011
56.00						0.550	0.260	0.290	30	0.010
56.30						0.560	0.260	0.300	30	0.010
57.00						0.545	0.260	0.285	30	0.010
57.30						0.540	0.260	0.280	30	0.009
58.00						0.540	0.260	0.280	30	0.009
58.30						0.535	0.260	0.275	30	0.009
59.00						0.515	0.260	0.255	30	0.009

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.525	0.260	0.265	30	0.009
60.00						0.525	0.260	0.265	30	0.009

Debit *Outflow*



Hasil Pengujian Variasi P-3 Uji ke-2

Tanggal : Minggu, 3 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3	2.85	2.68
Volume air (L), V	3	2.85	2.68
Waktu (s), t	3.06	3.11	3.17
Debit ukur (L/s), $Q=V/t$	0.980	0.916	0.845
Debit rata-rata (L/s)	0.914		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	Wt	Ww	$V=Wt-Ww$	t	$Q=V/t$	Wt	Ww	$V=Wt-Ww$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.265	0.000	0.265	30	0.009
1.30	5.050	0.930	4.120	30	0.137	0.270	0.260	0.010	30	0.000
2.00	11.035	0.925	10.110	30	0.337	0.985	0.260	0.725	30	0.024
2.30	11.535	0.930	10.605	30	0.354	1.340	0.260	1.080	30	0.036
3.00	11.580	0.925	10.655	30	0.355	1.010	0.260	0.750	30	0.025
3.30	11.975	0.930	11.045	30	0.368	0.795	0.260	0.535	30	0.018
4.00	11.120	0.925	10.195	30	0.340	0.605	0.260	0.345	30	0.012

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	11.370	0.930	10.440	30	0.348	0.535	0.260	0.275	30	0.009
5.00	11.320	0.925	10.395	30	0.347	0.460	0.260	0.200	30	0.007
5.30	10.855	0.930	9.925	30	0.331	0.410	0.260	0.150	30	0.005
6.00	11.650	0.925	10.725	30	0.358	0.400	0.260	0.140	30	0.005
6.30	11.515	0.930	10.585	30	0.353	0.385	0.260	0.125	30	0.004
7.00	11.155	0.925	10.230	30	0.341	0.400	0.260	0.140	30	0.005
7.30	11.345	0.930	10.415	30	0.347	0.725	0.260	0.465	30	0.016
8.00	11.355	0.925	10.430	30	0.348	1.095	0.260	0.835	30	0.028
8.30	10.935	0.930	10.005	30	0.334	1.435	0.260	1.175	30	0.039
9.00	11.025	0.925	10.100	30	0.337	1.620	0.260	1.360	30	0.045
9.30	11.085	0.930	10.155	30	0.339	1.885	0.260	1.625	30	0.054
10.00	11.135	0.925	10.210	30	0.340	2.025	0.260	1.765	30	0.059
10.30	11.430	0.930	10.500	30	0.350	2.305	0.260	2.045	30	0.068
11.00	10.270	0.925	9.345	30	0.312	2.455	0.260	2.195	30	0.073
11.30	11.120	0.930	10.190	30	0.340	2.860	0.260	2.600	30	0.087
12.00	10.805	0.925	9.880	30	0.329	3.065	0.260	2.805	30	0.094
12.30	10.515	0.930	9.585	30	0.320	3.245	0.260	2.985	30	0.100
13.00	11.015	0.925	10.090	30	0.336	2.335	0.260	2.075	30	0.069
13.30	10.550	0.930	9.620	30	0.321	4.575	0.260	4.315	30	0.144
14.00	10.480	0.925	9.555	30	0.319	3.680	0.260	3.420	30	0.114
14.30	10.815	0.930	9.885	30	0.330	3.990	0.260	3.730	30	0.124
15.00	9.980	0.925	9.055	30	0.302	3.870	0.260	3.610	30	0.120

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	10.495	0.930	9.565	30	0.319	4.115	0.260	3.855	30	0.129
16.00	10.305	0.925	9.380	30	0.313	4.250	0.260	3.990	30	0.133
16.30	10.090	0.930	9.160	30	0.305	4.260	0.260	4.000	30	0.133
17.00	10.295	0.925	9.370	30	0.312	4.295	0.260	4.035	30	0.135
17.30	10.355	0.930	9.425	30	0.314	4.345	0.260	4.085	30	0.136
18.00	10.180	0.925	9.255	30	0.309	4.500	0.260	4.240	30	0.141
18.30	10.115	0.930	9.185	30	0.306	4.580	0.260	4.320	30	0.144
19.00	10.260	0.925	9.335	30	0.311	4.575	0.260	4.315	30	0.144
19.30	9.950	0.930	9.020	30	0.301	4.555	0.260	4.295	30	0.143
20.00	10.150	0.925	9.225	30	0.308	4.690	0.260	4.430	30	0.148
20.30	9.970	0.930	9.040	30	0.301	4.740	0.260	4.480	30	0.149
21.00	9.935	0.925	9.010	30	0.300	4.810	0.260	4.550	30	0.152
21.30	9.945	0.930	9.015	30	0.301	4.790	0.260	4.530	30	0.151
22.00	10.395	0.925	9.470	30	0.316	4.970	0.260	4.710	30	0.157
22.30	9.750	0.930	8.820	30	0.294	4.825	0.260	4.565	30	0.152
23.00	10.155	0.925	9.230	30	0.308	5.125	0.260	4.865	30	0.162
23.30	9.950	0.930	9.020	30	0.301	5.040	0.260	4.780	30	0.159
24.00	10.055	0.925	9.130	30	0.304	5.175	0.260	4.915	30	0.164
24.30	10.070	0.930	9.140	30	0.305	5.080	0.260	4.820	30	0.161
25.00	10.085	0.925	9.160	30	0.305	5.230	0.260	4.970	30	0.166
25.30	9.840	0.930	8.910	30	0.297	5.155	0.260	4.895	30	0.163
26.00	10.025	0.925	9.100	30	0.303	5.135	0.260	4.875	30	0.163

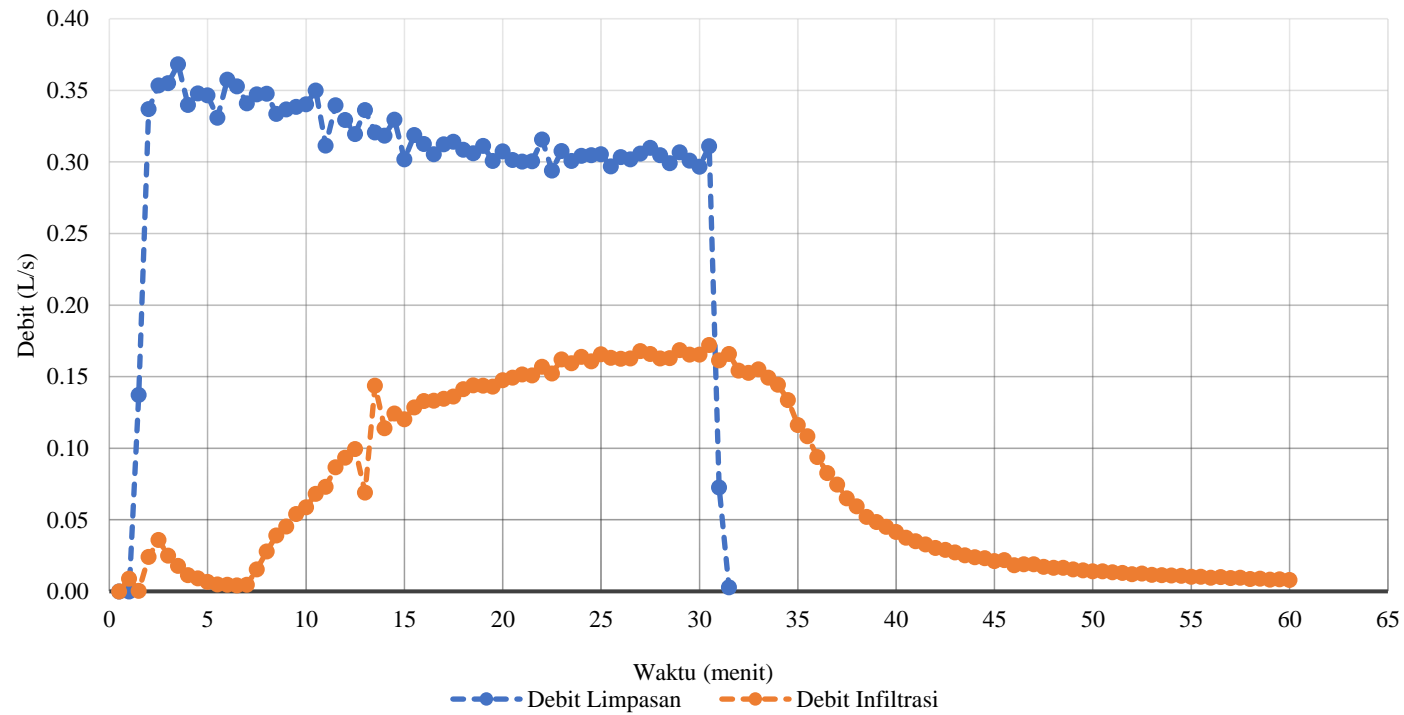
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	9.985	0.930	9.055	30	0.302	5.140	0.260	4.880	30	0.163
27.00	10.100	0.925	9.175	30	0.306	5.295	0.260	5.035	30	0.168
27.30	10.225	0.930	9.295	30	0.310	5.240	0.260	4.980	30	0.166
28.00	10.065	0.925	9.140	30	0.305	5.145	0.260	4.885	30	0.163
28.30	9.905	0.930	8.975	30	0.299	5.150	0.260	4.890	30	0.163
29.00	10.130	0.925	9.205	30	0.307	5.320	0.260	5.060	30	0.169
29.30	9.960	0.930	9.030	30	0.301	5.225	0.260	4.965	30	0.166
30.00	9.825	0.925	8.900	30	0.297	5.225	0.260	4.965	30	0.166
30.30	10.260	0.930	9.330	30	0.311	5.425	0.260	5.165	30	0.172
31.00	3.105	0.925	2.180	30	0.073	5.100	0.260	4.840	30	0.161
31.30	1.020	0.930	0.090	30	0.003	5.240	0.260	4.980	30	0.166
32.00						4.890	0.260	4.630	30	0.154
32.30						4.840	0.260	4.580	30	0.153
33.00						4.915	0.260	4.655	30	0.155
33.30						4.740	0.260	4.480	30	0.149
34.00						4.590	0.260	4.330	30	0.144
34.30						4.805	0.260	4.545	34	0.134
35.00						3.285	0.260	3.025	26	0.116
35.30						3.510	0.260	3.250	30	0.108
36.00						3.080	0.260	2.820	30	0.094
36.30						2.740	0.260	2.480	30	0.083
37.00						2.500	0.260	2.240	30	0.075

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.215	0.260	1.955	30	0.065
38.00						2.045	0.260	1.785	30	0.060
38.30						1.820	0.260	1.560	30	0.052
39.00						1.715	0.260	1.455	30	0.049
39.30						1.615	0.260	1.355	30	0.045
40.00						1.505	0.260	1.245	30	0.042
40.30						1.385	0.260	1.125	30	0.038
41.00						1.310	0.260	1.050	30	0.035
41.30						1.245	0.260	0.985	30	0.033
42.00						1.175	0.260	0.915	30	0.031
42.30						1.130	0.260	0.870	30	0.029
43.00						1.080	0.260	0.820	30	0.027
43.30						1.020	0.260	0.760	30	0.025
44.00						0.975	0.260	0.715	30	0.024
44.30						0.955	0.260	0.695	30	0.023
45.00						0.900	0.260	0.640	30	0.021
45.30						0.920	0.260	0.660	30	0.022
46.00						0.810	0.260	0.550	30	0.018
46.30						0.830	0.260	0.570	30	0.019
47.00						0.830	0.260	0.570	30	0.019
47.30						0.775	0.260	0.515	30	0.017
48.00						0.755	0.260	0.495	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.755	0.260	0.495	30	0.017
49.00						0.720	0.260	0.460	30	0.015
49.30						0.700	0.260	0.440	30	0.015
50.00						0.685	0.260	0.425	30	0.014
50.30						0.680	0.260	0.420	30	0.014
51.00						0.660	0.260	0.400	30	0.013
51.30						0.650	0.260	0.390	30	0.013
52.00						0.625	0.260	0.365	30	0.012
52.30						0.635	0.260	0.375	30	0.013
53.00						0.610	0.260	0.350	30	0.012
53.30						0.600	0.260	0.340	30	0.011
54.00						0.595	0.260	0.335	30	0.011
54.30						0.590	0.260	0.330	30	0.011
55.00						0.565	0.260	0.305	30	0.010
55.30						0.565	0.260	0.305	30	0.010
56.00						0.550	0.260	0.290	30	0.010
56.30						0.560	0.260	0.300	30	0.010
57.00						0.540	0.260	0.280	30	0.009
57.30						0.545	0.260	0.285	30	0.010
58.00						0.520	0.260	0.260	30	0.009
58.30						0.530	0.260	0.270	30	0.009
59.00						0.510	0.260	0.250	30	0.008

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.515	0.260	0.255	30	0.009
60.00						0.500	0.260	0.240	30	0.008

Debit *Outflow*



Hasil Pengujian Variasi P-4 Uji ke-1

Tanggal : Senin, 4 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.25	2.79	2.745
Volume air (L), V	2.25	2.79	2.745
Waktu (s), t	2.89	3.43	3.39
Debit ukur (L/s), $Q=V/t$	0.779	0.813	0.810
Debit rata-rata (L/s)	0.801		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.30	2.425	0.930	1.495	30	0.050	0.000	0.000	0.000	30	0.000
3.00	7.550	0.925	6.625	30	0.221	1.755	0.260	1.495	30	0.050
3.30	8.360	0.930	7.430	30	0.248	1.905	0.260	1.645	30	0.055
4.00	8.345	0.925	7.420	30	0.247	1.220	0.260	0.960	30	0.032

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	8.545	0.930	7.615	30	0.254	0.870	0.260	0.610	30	0.020
5.00	8.570	0.925	7.645	30	0.255	0.740	0.260	0.480	30	0.016
5.30	8.485	0.930	7.555	30	0.252	0.620	0.260	0.360	30	0.012
6.00	7.805	0.925	6.880	30	0.229	0.505	0.260	0.245	30	0.008
6.30	7.895	0.930	6.965	30	0.232	0.455	0.260	0.195	30	0.007
7.00	7.680	0.925	6.755	30	0.225	0.425	0.260	0.165	30	0.006
7.30	7.600	0.930	6.670	30	0.222	0.915	0.260	0.655	30	0.022
8.00	7.135	0.925	6.210	30	0.207	2.010	0.260	1.750	30	0.058
8.30	6.900	0.930	5.970	30	0.199	2.645	0.260	2.385	30	0.080
9.00	6.890	0.925	5.965	30	0.199	3.125	0.260	2.865	30	0.096
9.30	6.710	0.930	5.780	30	0.193	3.470	0.260	3.210	30	0.107
10.00	6.525	0.925	5.600	30	0.187	4.155	0.260	3.895	30	0.130
10.30	6.270	0.930	5.340	30	0.178	5.020	0.260	4.760	30	0.159
11.00	6.175	0.925	5.250	30	0.175	5.620	0.260	5.360	30	0.179
11.30	5.925	0.930	4.995	30	0.167	6.290	0.670	5.620	30	0.187
12.00	6.155	0.925	5.230	30	0.174	6.745	0.665	6.080	30	0.203
12.30	5.940	0.930	5.010	30	0.167	6.710	0.670	6.040	30	0.201
13.00	5.960	0.925	5.035	30	0.168	7.095	0.665	6.430	30	0.214
13.30	5.980	0.930	5.050	30	0.168	7.390	0.670	6.720	30	0.224
14.00	6.110	0.925	5.185	30	0.173	7.490	0.665	6.825	30	0.228
14.30	6.320	0.930	5.390	30	0.180	7.230	0.670	6.560	30	0.219
15.00	6.305	0.925	5.380	30	0.179	7.660	0.665	6.995	30	0.233

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	6.465	0.930	5.535	30	0.185	7.565	0.670	6.895	30	0.230
16.00	6.345	0.925	5.420	30	0.181	7.500	0.665	6.835	30	0.228
16.30	6.355	0.930	5.425	30	0.181	7.565	0.670	6.895	30	0.230
17.00	6.425	0.925	5.500	30	0.183	7.835	0.665	7.170	30	0.239
17.30	6.155	0.930	5.225	30	0.174	7.645	0.670	6.975	30	0.233
18.00	6.280	0.925	5.355	30	0.179	7.910	0.665	7.245	30	0.242
18.30	6.165	0.930	5.235	30	0.175	7.925	0.670	7.255	30	0.242
19.00	6.145	0.925	5.220	30	0.174	7.780	0.665	7.115	30	0.237
19.30	6.145	0.930	5.215	30	0.174	8.055	0.670	7.385	30	0.246
20.00	6.150	0.925	5.225	30	0.174	7.975	0.665	7.310	30	0.244
20.30	6.065	0.930	5.135	30	0.171	7.900	0.670	7.230	30	0.241
21.00	6.085	0.925	5.160	30	0.172	8.020	0.665	7.355	30	0.245
21.30	6.170	0.930	5.240	30	0.175	8.050	0.670	7.380	30	0.246
22.00	6.230	0.925	5.305	30	0.177	7.900	0.665	7.235	30	0.241
22.30	6.155	0.930	5.225	30	0.174	8.095	0.670	7.425	30	0.248
23.00	6.125	0.925	5.200	30	0.173	8.005	0.665	7.340	30	0.245
23.30	6.060	0.930	5.130	30	0.171	8.135	0.670	7.465	30	0.249
24.00	5.965	0.925	5.040	30	0.168	8.165	0.665	7.500	30	0.250
24.30	5.925	0.930	4.995	30	0.167	8.100	0.670	7.430	30	0.248
25.00	5.965	0.925	5.040	30	0.168	8.095	0.665	7.430	30	0.248
25.30	6.030	0.930	5.100	30	0.170	8.250	0.670	7.580	30	0.253
26.00	5.860	0.925	4.935	30	0.165	7.940	0.665	7.275	30	0.243

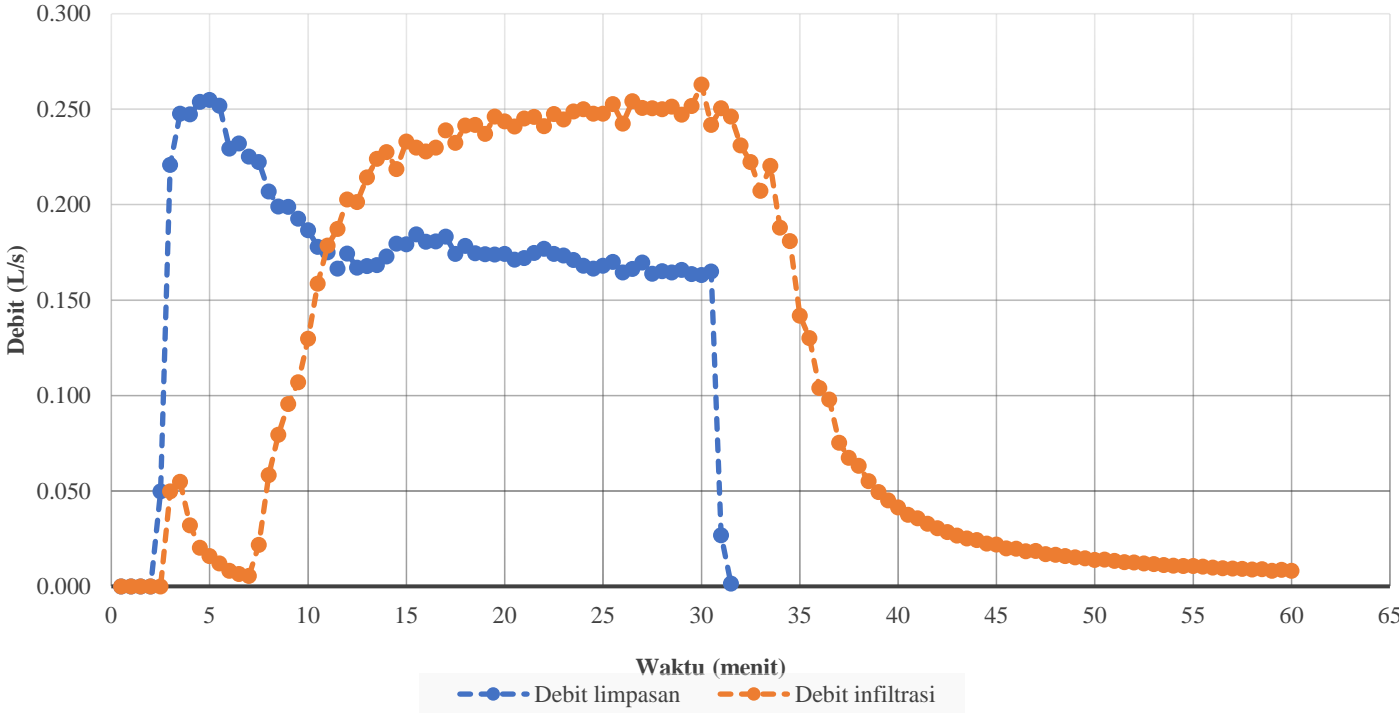
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	5.920	0.930	4.990	30	0.166	8.295	0.670	7.625	30	0.254
27.00	6.015	0.925	5.090	30	0.170	8.185	0.665	7.520	30	0.251
27.30	5.845	0.930	4.915	30	0.164	8.185	0.670	7.515	30	0.251
28.00	5.880	0.925	4.955	30	0.165	8.165	0.665	7.500	30	0.250
28.30	5.865	0.930	4.935	30	0.165	8.210	0.670	7.540	30	0.251
29.00	5.900	0.925	4.975	30	0.166	8.080	0.665	7.415	30	0.247
29.30	5.840	0.930	4.910	30	0.164	8.220	0.670	7.550	30	0.252
30.00	5.820	0.925	4.895	30	0.163	8.555	0.665	7.890	30	0.263
30.30	5.880	0.930	4.950	30	0.165	7.925	0.670	7.255	30	0.242
31.00	1.730	0.925	0.805	30	0.027	8.180	0.665	7.515	30	0.251
31.30	0.975	0.930	0.045	30	0.002	8.055	0.670	7.385	30	0.246
32.00						7.600	0.665	6.935	30	0.231
32.30						7.340	0.670	6.670	30	0.222
33.00						6.885	0.665	6.220	30	0.207
33.30						7.280	0.670	6.610	30	0.220
34.00						6.305	0.665	5.640	30	0.188
34.30						6.100	0.670	5.430	30	0.181
35.00						4.920	0.665	4.255	30	0.142
35.30						4.575	0.670	3.905	30	0.130
36.00						3.785	0.665	3.120	30	0.104
36.30						3.805	0.670	3.135	32	0.098
37.00						2.370	0.260	2.110	28	0.075

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.280	0.260	2.020	30	0.067
38.00						2.155	0.260	1.895	30	0.063
38.30						1.915	0.260	1.655	30	0.055
39.00						1.745	0.260	1.485	30	0.050
39.30						1.615	0.260	1.355	30	0.045
40.00						1.500	0.260	1.240	30	0.041
40.30						1.385	0.260	1.125	30	0.038
41.00						1.330	0.260	1.070	30	0.036
41.30						1.245	0.260	0.985	30	0.033
42.00						1.175	0.260	0.915	30	0.031
42.30						1.115	0.260	0.855	30	0.029
43.00						1.060	0.260	0.800	30	0.027
43.30						1.015	0.260	0.755	30	0.025
44.00						0.990	0.260	0.730	30	0.024
44.30						0.935	0.260	0.675	30	0.023
45.00						0.920	0.260	0.660	30	0.022
45.30						0.860	0.260	0.600	30	0.020
46.00						0.855	0.260	0.595	30	0.020
46.30						0.815	0.260	0.555	30	0.019
47.00						0.820	0.260	0.560	30	0.019
47.30						0.770	0.260	0.510	30	0.017
48.00						0.760	0.260	0.500	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.740	0.260	0.480	30	0.016
49.00						0.720	0.260	0.460	30	0.015
49.30						0.705	0.260	0.445	30	0.015
50.00						0.675	0.260	0.415	30	0.014
50.30						0.680	0.260	0.420	30	0.014
51.00						0.660	0.260	0.400	30	0.013
51.30						0.640	0.260	0.380	30	0.013
52.00						0.635	0.260	0.375	30	0.013
52.30						0.620	0.260	0.360	30	0.012
53.00						0.610	0.260	0.350	30	0.012
53.30						0.595	0.260	0.335	30	0.011
54.00						0.585	0.260	0.325	30	0.011
54.30						0.580	0.260	0.320	30	0.011
55.00						0.580	0.260	0.320	30	0.011
55.30						0.570	0.260	0.310	30	0.010
56.00						0.555	0.260	0.295	30	0.010
56.30						0.545	0.260	0.285	30	0.010
57.00						0.540	0.260	0.280	30	0.009
57.30						0.535	0.260	0.275	30	0.009
58.00						0.525	0.260	0.265	30	0.009
58.30						0.530	0.260	0.270	30	0.009
59.00						0.505	0.260	0.245	30	0.008

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.520	0.260	0.260	30	0.009
60.00						0.505	0.260	0.245	30	0.008

Debit Outflow



Hasil Pengujian Variasi P-4 Uji ke-2

Tanggal : Senin, 4 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.45	2.465	2.685
Volume air (L), V	2.45	2.465	2.685
Waktu (s), t	3.3	2.94	3.43
Debit ukur (L/s), $Q=V/t$	0.742	0.838	0.783
Debit rata-rata (L/s)	0.788		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.30	5.525	0.930	4.595	30	0.153	0.580	0.260	0.320	30	0.011
3.00	8.575	0.925	7.650	30	0.255	1.760	0.260	1.500	30	0.050
3.30	9.345	0.930	8.415	30	0.281	1.545	0.260	1.285	30	0.043
4.00	9.145	0.925	8.220	30	0.274	1.055	0.260	0.795	30	0.027

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	9.505	0.930	8.575	30	0.286	0.845	0.260	0.585	30	0.020
5.00	9.270	0.925	8.345	30	0.278	0.760	0.260	0.500	30	0.017
5.30	9.465	0.930	8.535	30	0.285	0.615	0.260	0.355	30	0.012
6.00	9.535	0.925	8.610	30	0.287	0.525	0.260	0.265	30	0.009
6.30	9.255	0.930	8.325	30	0.278	0.485	0.260	0.225	30	0.008
7.00	9.165	0.925	8.240	30	0.275	0.775	0.260	0.515	30	0.017
7.30	8.955	0.930	8.025	30	0.268	1.825	0.260	1.565	30	0.052
8.00	8.790	0.925	7.865	30	0.262	2.540	0.260	2.280	30	0.076
8.30	8.450	0.930	7.520	30	0.251	2.690	0.260	2.430	30	0.081
9.00	8.700	0.925	7.775	30	0.259	3.290	0.260	3.030	30	0.101
9.30	8.350	0.930	7.420	30	0.247	3.825	0.260	3.565	30	0.119
10.00	8.140	0.925	7.215	30	0.241	4.490	0.260	4.230	30	0.141
10.30	8.175	0.930	7.245	30	0.242	5.445	0.260	5.185	30	0.173
11.00	8.065	0.925	7.140	30	0.238	5.590	0.670	4.920	30	0.164
11.30	8.050	0.930	7.120	30	0.237	6.010	0.665	5.345	30	0.178
12.00	7.875	0.925	6.950	30	0.232	6.250	0.670	5.580	30	0.186
12.30	7.865	0.930	6.935	30	0.231	6.455	0.665	5.790	30	0.193
13.00	7.755	0.925	6.830	30	0.228	6.600	0.670	5.930	30	0.198
13.30	7.950	0.930	7.020	30	0.234	6.750	0.665	6.085	30	0.203
14.00	8.005	0.925	7.080	30	0.236	6.800	0.670	6.130	30	0.204
14.30	7.885	0.930	6.955	30	0.232	6.875	0.665	6.210	30	0.207
15.00	7.910	0.925	6.985	30	0.233	6.905	0.670	6.235	30	0.208

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	7.895	0.930	6.965	30	0.232	7.115	0.665	6.450	30	0.215
16.00	7.725	0.925	6.800	30	0.227	6.950	0.670	6.280	30	0.209
16.30	7.855	0.930	6.925	30	0.231	7.195	0.665	6.530	30	0.218
17.00	7.675	0.925	6.750	30	0.225	7.140	0.670	6.470	30	0.216
17.30	7.920	0.930	6.990	30	0.233	7.110	0.665	6.445	30	0.215
18.00	7.755	0.925	6.830	30	0.228	7.090	0.670	6.420	30	0.214
18.30	7.880	0.930	6.950	30	0.232	7.080	0.665	6.415	30	0.214
19.00	7.935	0.925	7.010	30	0.234	7.255	0.670	6.585	30	0.220
19.30	7.895	0.930	6.965	30	0.232	7.080	0.665	6.415	30	0.214
20.00	7.910	0.925	6.985	30	0.233	7.280	0.670	6.610	30	0.220
20.30	7.665	0.930	6.735	30	0.225	7.150	0.665	6.485	30	0.216
21.00	7.880	0.925	6.955	30	0.232	7.205	0.670	6.535	30	0.218
21.30	7.975	0.930	7.045	30	0.235	7.280	0.665	6.615	30	0.221
22.00	7.910	0.925	6.985	30	0.233	7.310	0.670	6.640	30	0.221
22.30	7.610	0.930	6.680	30	0.223	7.190	0.665	6.525	30	0.218
23.00	7.565	0.925	6.640	30	0.221	7.135	0.670	6.465	30	0.216
23.30	7.875	0.930	6.945	30	0.232	7.320	0.665	6.655	30	0.222
24.00	7.555	0.925	6.630	30	0.221	7.265	0.670	6.595	30	0.220
24.30	7.625	0.930	6.695	30	0.223	7.305	0.665	6.640	30	0.221
25.00	7.510	0.925	6.585	30	0.220	7.120	0.670	6.450	30	0.215
25.30	7.430	0.930	6.500	30	0.217	7.260	0.665	6.595	30	0.220
26.00	7.500	0.925	6.575	30	0.219	7.385	0.670	6.715	30	0.224

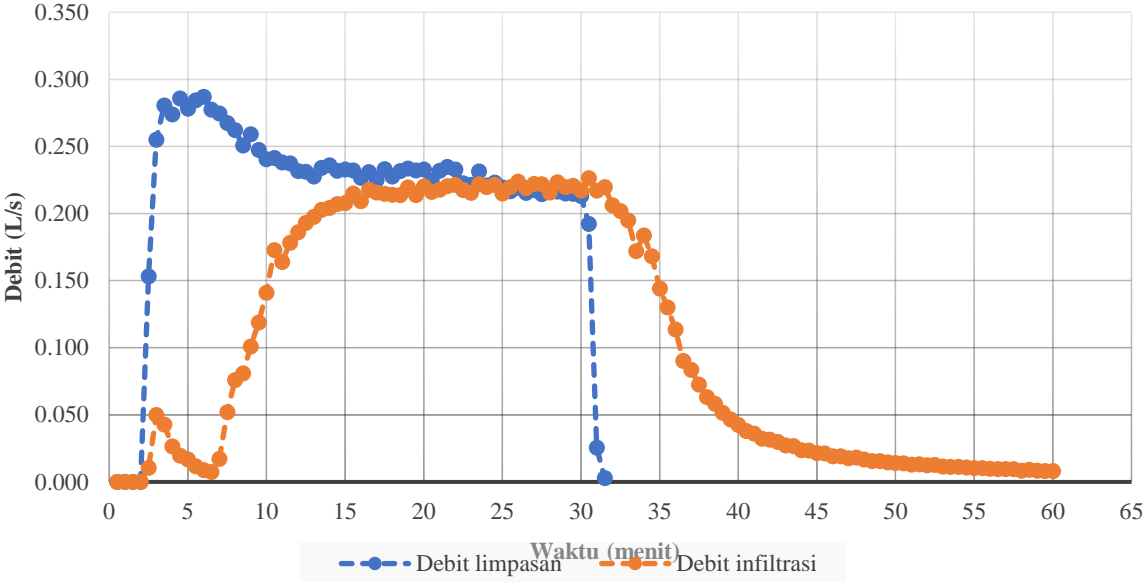
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	7.395	0.930	6.465	30	0.216	7.235	0.665	6.570	30	0.219
27.00	7.450	0.925	6.525	30	0.218	7.335	0.670	6.665	30	0.222
27.30	7.365	0.930	6.435	30	0.215	7.325	0.665	6.660	30	0.222
28.00	7.440	0.925	6.515	30	0.217	7.140	0.670	6.470	30	0.216
28.30	7.425	0.930	6.495	30	0.217	7.365	0.665	6.700	30	0.223
29.00	7.375	0.925	6.450	30	0.215	7.265	0.670	6.595	30	0.220
29.30	7.375	0.930	6.445	30	0.215	7.285	0.665	6.620	30	0.221
30.00	7.320	0.925	6.395	30	0.213	7.185	0.670	6.515	30	0.217
30.30	6.700	0.930	5.770	30	0.192	7.460	0.665	6.795	30	0.227
31.00	1.690	0.925	0.765	30	0.026	7.185	0.670	6.515	30	0.217
31.30	1.020	0.930	0.090	30	0.003	7.255	0.665	6.590	30	0.220
32.00						6.855	0.670	6.185	30	0.206
32.30						6.720	0.665	6.055	30	0.202
33.00						6.515	0.670	5.845	30	0.195
33.30						5.825	0.665	5.160	30	0.172
34.00						6.185	0.670	5.515	30	0.184
34.30						5.710	0.665	5.045	30	0.168
35.00						4.995	0.670	4.325	30	0.144
35.30						4.565	0.665	3.900	30	0.130
36.00						4.075	0.670	3.405	30	0.114
36.30						2.965	0.260	2.705	30	0.090
37.00						2.765	0.260	2.505	30	0.084

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.440	0.260	2.180	30	0.073
38.00						2.160	0.260	1.900	30	0.063
38.30						2.005	0.260	1.745	30	0.058
39.00						1.810	0.260	1.550	30	0.052
39.30						1.655	0.260	1.395	30	0.047
40.00						1.535	0.260	1.275	30	0.043
40.30						1.400	0.260	1.140	30	0.038
41.00						1.345	0.260	1.085	30	0.036
41.30						1.230	0.260	0.970	30	0.032
42.00						1.205	0.260	0.945	30	0.032
42.30						1.155	0.260	0.895	30	0.030
43.00						1.080	0.260	0.820	30	0.027
43.30						1.060	0.260	0.800	30	0.027
44.00						0.970	0.260	0.710	30	0.024
44.30						0.960	0.260	0.700	30	0.023
45.00						0.905	0.260	0.645	30	0.022
45.30						0.900	0.260	0.640	30	0.021
46.00						0.835	0.260	0.575	30	0.019
46.30						0.835	0.260	0.575	30	0.019
47.00						0.790	0.260	0.530	30	0.018
47.30						0.805	0.260	0.545	30	0.018
48.00						0.760	0.260	0.500	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.730	0.260	0.470	30	0.016
49.00						0.730	0.260	0.470	30	0.016
49.30						0.700	0.260	0.440	30	0.015
50.00						0.685	0.260	0.425	30	0.014
50.30						0.680	0.260	0.420	30	0.014
51.00						0.650	0.260	0.390	30	0.013
51.30						0.655	0.260	0.395	30	0.013
52.00						0.635	0.260	0.375	30	0.013
52.30						0.640	0.260	0.380	30	0.013
53.00						0.605	0.260	0.345	30	0.012
53.30						0.595	0.260	0.335	30	0.011
54.00						0.600	0.260	0.340	30	0.011
54.30						0.585	0.260	0.325	30	0.011
55.00						0.570	0.260	0.310	30	0.010
55.30						0.570	0.260	0.310	30	0.010
56.00						0.555	0.260	0.295	30	0.010
56.30						0.550	0.260	0.290	30	0.010
57.00						0.550	0.260	0.290	30	0.010
57.30						0.550	0.260	0.290	30	0.010
58.00						0.515	0.260	0.255	30	0.009
58.30						0.535	0.260	0.275	30	0.009
59.00						0.510	0.260	0.250	30	0.008

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.505	0.260	0.245	30	0.008
60.00						0.505	0.260	0.245	30	0.008

Debit Outflow



Hasil Pengujian Variasi P-5 Uji ke-1

Tanggal : Kamis, 7 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.245	3.275	2.125
Volume air (L), V	2.245	3.275	2.125
Waktu (s), t	3.33	4.29	2.92
Debit ukur (L/s), $Q=V/t$	0.674	0.763	0.728
Debit rata-rata (L/s)	0.722		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	Wt	Ww	$V=Wt-Ww$	t	$Q=V/t$	Wt	Ww	$V=Wt-Ww$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	1.280	0.000	1.280	30	0.043
2.00	0.000	0.000	0.000	30	0.000	1.460	0.000	1.460	30	0.049
2.30	0.000	0.930	-0.930	30	-0.031	1.865	0.260	1.605	30	0.054
3.00	3.420	0.925	2.495	30	0.083	2.060	0.260	1.800	30	0.060
3.30	7.130	0.930	6.200	30	0.207	1.710	0.260	1.450	30	0.048
4.00	7.555	0.925	6.630	30	0.221	1.640	0.260	1.380	30	0.046

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	7.540	0.930	6.610	30	0.220	2.050	0.260	1.790	30	0.060
5.00	7.220	0.925	6.295	30	0.210	2.690	0.260	2.430	30	0.081
5.30	7.160	0.930	6.230	30	0.208	3.040	0.260	2.780	30	0.093
6.00	7.060	0.925	6.135	30	0.205	3.445	0.260	3.185	30	0.106
6.30	6.800	0.930	5.870	30	0.196	3.600	0.260	3.340	30	0.111
7.00	6.775	0.925	5.850	30	0.195	3.810	0.260	3.550	30	0.118
7.30	6.630	0.930	5.700	30	0.190	4.385	0.260	4.125	30	0.138
8.00	6.340	0.925	5.415	30	0.181	4.700	0.260	4.440	30	0.148
8.30	6.245	0.930	5.315	30	0.177	5.185	0.260	4.925	30	0.164
9.00	5.865	0.925	4.940	30	0.165	5.935	0.670	5.265	30	0.176
9.30	5.880	0.930	4.950	30	0.165	6.880	0.665	6.215	30	0.207
10.00	5.855	0.925	4.930	30	0.164	6.995	0.670	6.325	30	0.211
10.30	5.745	0.930	4.815	30	0.161	6.995	0.665	6.330	30	0.211
11.00	5.740	0.925	4.815	30	0.161	7.405	0.670	6.735	30	0.225
11.30	5.615	0.930	4.685	30	0.156	7.320	0.665	6.655	30	0.222
12.00	5.715	0.925	4.790	30	0.160	7.345	0.670	6.675	30	0.223
12.30	5.420	0.930	4.490	30	0.150	7.385	0.665	6.720	30	0.224
13.00	5.530	0.925	4.605	30	0.154	7.495	0.670	6.825	30	0.228
13.30	5.560	0.930	4.630	30	0.154	7.400	0.665	6.735	30	0.225
14.00	5.295	0.925	4.370	30	0.146	7.435	0.670	6.765	30	0.226
14.30	5.530	0.930	4.600	30	0.153	7.995	0.665	7.330	30	0.244
15.00	5.330	0.925	4.405	30	0.147	7.130	0.670	6.460	30	0.215

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	5.390	0.930	4.460	30	0.149	7.585	0.665	6.920	30	0.231
16.00	5.620	0.925	4.695	30	0.157	7.975	0.670	7.305	30	0.244
16.30	5.075	0.930	4.145	30	0.138	7.385	0.665	6.720	30	0.224
17.00	5.805	0.925	4.880	30	0.163	7.775	0.670	7.105	30	0.237
17.30	5.040	0.930	4.110	30	0.137	7.530	0.665	6.865	30	0.229
18.00	5.450	0.925	4.525	30	0.151	7.825	0.670	7.155	30	0.239
18.30	5.320	0.930	4.390	30	0.146	7.580	0.665	6.915	30	0.231
19.00	5.525	0.925	4.600	30	0.153	7.795	0.670	7.125	30	0.238
19.30	5.380	0.930	4.450	30	0.148	8.455	0.665	7.790	32	0.243
20.00	5.330	0.925	4.405	30	0.147	7.140	0.670	6.470	28	0.231
20.30	5.460	0.930	4.530	30	0.151	7.990	0.665	7.325	30	0.244
21.00	5.340	0.925	4.415	30	0.147	7.715	0.670	7.045	30	0.235
21.30	5.480	0.930	4.550	30	0.152	8.040	0.665	7.375	30	0.246
22.00	5.055	0.925	4.130	30	0.138	7.530	0.670	6.860	30	0.229
22.30	5.385	0.930	4.455	30	0.149	8.195	0.665	7.530	30	0.251
23.00	5.105	0.925	4.180	30	0.139	7.280	0.670	6.610	30	0.220
23.30	5.405	0.930	4.475	30	0.149	8.195	0.665	7.530	30	0.251
24.00	5.130	0.925	4.205	30	0.140	7.800	0.670	7.130	30	0.238
24.30	5.290	0.930	4.360	30	0.145	7.915	0.665	7.250	30	0.242
25.00	5.440	0.925	4.515	30	0.151	8.020	0.670	7.350	30	0.245
25.30	4.735	0.930	3.805	30	0.127	8.130	0.665	7.465	30	0.249
26.00	4.980	0.925	4.055	30	0.135	7.855	0.670	7.185	30	0.240

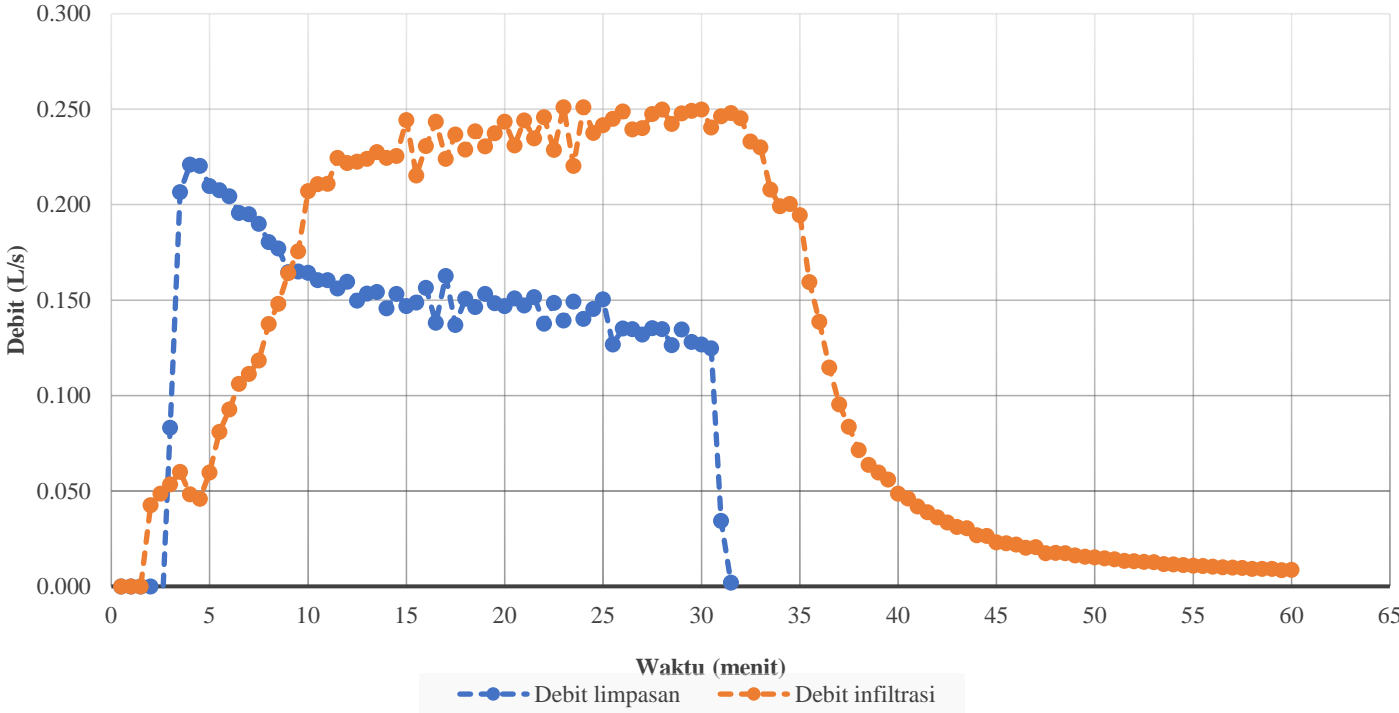
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	4.975	0.930	4.045	30	0.135	7.870	0.665	7.205	30	0.240
27.00	4.885	0.925	3.960	30	0.132	8.095	0.670	7.425	30	0.248
27.30	4.990	0.930	4.060	30	0.135	8.160	0.665	7.495	30	0.250
28.00	4.970	0.925	4.045	30	0.135	7.940	0.670	7.270	30	0.242
28.30	4.725	0.930	3.795	30	0.127	8.100	0.665	7.435	30	0.248
29.00	4.965	0.925	4.040	30	0.135	8.145	0.670	7.475	30	0.249
29.30	4.775	0.930	3.845	30	0.128	8.160	0.665	7.495	30	0.250
30.00	4.730	0.925	3.805	30	0.127	7.885	0.670	7.215	30	0.241
30.30	4.675	0.930	3.745	30	0.125	8.055	0.665	7.390	30	0.246
31.00	1.955	0.925	1.030	30	0.034	8.110	0.670	7.440	30	0.248
31.30	0.985	0.925	0.060	30	0.002	8.025	0.665	7.360	30	0.245
32.00	0.950	0.925	0.025	30	0.001	7.665	0.670	6.995	30	0.233
32.30						7.565	0.665	6.900	30	0.230
33.00						6.910	0.670	6.240	30	0.208
33.30						6.640	0.665	5.975	30	0.199
34.00						6.680	0.670	6.010	30	0.200
34.30						6.500	0.665	5.835	30	0.195
35.00						5.455	0.670	4.785	30	0.160
35.30						4.825	0.665	4.160	30	0.139
36.00						3.699	0.260	3.439	30	0.115
36.30						3.120	0.260	2.860	30	0.095
37.00						2.770	0.260	2.510	30	0.084

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.405	0.260	2.145	30	0.072
38.00						2.170	0.260	1.910	30	0.064
38.30						2.050	0.260	1.790	30	0.060
39.00						1.940	0.260	1.680	30	0.056
39.30						1.720	0.260	1.460	30	0.049
40.00						1.645	0.260	1.385	30	0.046
40.30						1.520	0.260	1.260	30	0.042
41.00						1.425	0.260	1.165	30	0.039
41.30						1.345	0.260	1.085	30	0.036
42.00						1.265	0.260	1.005	30	0.034
42.30						1.195	0.260	0.935	30	0.031
43.00						1.175	0.260	0.915	30	0.031
43.30						1.065	0.260	0.805	30	0.027
44.00						1.055	0.260	0.795	30	0.027
44.30						0.955	0.260	0.695	30	0.023
45.00						0.940	0.260	0.680	30	0.023
45.30						0.920	0.260	0.660	30	0.022
46.00						0.870	0.260	0.610	30	0.020
46.30						0.960	0.260	0.700	34	0.021
47.00						0.715	0.260	0.455	26	0.018
47.30						0.790	0.260	0.530	30	0.018
48.00						0.785	0.260	0.525	30	0.018

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.750	0.260	0.490	30	0.016
49.00						0.730	0.260	0.470	30	0.016
49.30						0.720	0.260	0.460	30	0.015
50.00						0.705	0.260	0.445	30	0.015
50.30						0.685	0.260	0.425	30	0.014
51.00						0.660	0.260	0.400	30	0.013
51.30						0.655	0.260	0.395	30	0.013
52.00						0.645	0.260	0.385	30	0.013
52.30						0.640	0.260	0.380	30	0.013
53.00						0.610	0.260	0.350	30	0.012
53.30						0.605	0.260	0.345	30	0.012
54.00						0.595	0.260	0.335	30	0.011
54.30						0.585	0.260	0.325	30	0.011
55.00						0.580	0.260	0.320	30	0.011
55.30						0.570	0.260	0.310	30	0.010
56.00						0.560	0.260	0.300	30	0.010
56.30						0.555	0.260	0.295	30	0.010
57.00						0.550	0.260	0.290	30	0.010
57.30						0.535	0.260	0.275	30	0.009
58.00						0.535	0.260	0.275	30	0.009
58.30						0.535	0.260	0.275	30	0.009
59.00						0.515	0.260	0.255	30	0.009

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.520	0.260	0.260	30	0.009
60.00						0.505	0.260	0.245	30	0.008

Debit Outflow



Hasil Pengujian Variasi P-5 Uji ke-2

Tanggal : Kamis, 7 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.13	2.61	2.795
Volume air (L), V	2.13	2.61	2.795
Waktu (s), t	2.97	3.22	3.39
Debit ukur (L/s), $Q=V/t$	0.717	0.811	0.824
Debit rata-rata (L/s)	0.784		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.30	0.000	0.000	0.000	30	0.000	0.670	0.260	0.410	30	0.014
3.00	1.325	0.930	0.395	30	0.013	2.250	0.260	1.990	30	0.066
3.30	5.995	0.925	5.070	30	0.169	1.585	0.260	1.325	30	0.044
4.00	7.220	0.930	6.290	30	0.210	1.060	0.260	0.800	30	0.027

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	7.575	0.925	6.650	30	0.222	0.770	0.260	0.510	30	0.017
5.00	7.720	0.930	6.790	30	0.226	0.655	0.260	0.395	30	0.013
5.30	7.800	0.925	6.875	30	0.229	0.655	0.260	0.395	30	0.013
6.00	7.975	0.930	7.045	30	0.235	0.585	0.260	0.325	30	0.011
6.30	7.605	0.925	6.680	30	0.223	0.515	0.260	0.255	30	0.009
7.00	7.455	0.930	6.525	30	0.218	0.465	0.260	0.205	30	0.007
7.30	7.315	0.925	6.390	30	0.213	0.645	0.260	0.385	30	0.013
8.00	6.630	0.930	5.700	30	0.190	1.560	0.260	1.300	30	0.043
8.30	6.455	0.925	5.530	30	0.184	2.285	0.260	2.025	30	0.068
9.00	6.365	0.930	5.435	30	0.181	2.855	0.260	2.595	30	0.087
9.30	6.170	0.925	5.245	30	0.175	3.225	0.260	2.965	30	0.099
10.00	5.835	0.930	4.905	30	0.164	3.885	0.260	3.625	30	0.121
10.30	5.695	0.925	4.770	30	0.159	4.710	0.260	4.450	30	0.148
11.00	5.560	0.930	4.630	30	0.154	5.600	0.260	5.340	30	0.178
11.30	5.625	0.925	4.700	30	0.157	6.635	0.260	6.375	30	0.213
12.00	5.750	0.930	4.820	30	0.161	7.340	0.670	6.670	30	0.222
12.30	5.860	0.925	4.935	30	0.165	7.665	0.665	7.000	30	0.233
13.00	5.705	0.930	4.775	30	0.159	7.395	0.670	6.725	30	0.224
13.30	5.875	0.925	4.950	30	0.165	7.740	0.665	7.075	30	0.236
14.00	5.675	0.930	4.745	30	0.158	7.795	0.670	7.125	30	0.238
14.30	5.640	0.925	4.715	30	0.157	7.470	0.665	6.805	30	0.227
15.00	5.685	0.930	4.755	30	0.159	7.775	0.670	7.105	30	0.237

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	5.630	0.925	4.705	30	0.157	7.795	0.665	7.130	30	0.238
16.00	5.535	0.930	4.605	30	0.154	7.765	0.670	7.095	30	0.237
16.30	5.780	0.925	4.855	30	0.162	7.670	0.665	7.005	30	0.234
17.00	5.245	0.930	4.315	30	0.144	7.750	0.670	7.080	30	0.236
17.30	5.490	0.925	4.565	30	0.152	7.865	0.665	7.200	30	0.240
18.00	5.540	0.930	4.610	30	0.154	7.855	0.670	7.185	30	0.240
18.30	5.435	0.925	4.510	30	0.150	8.065	0.665	7.400	30	0.247
19.00	5.325	0.930	4.395	30	0.147	7.900	0.670	7.230	30	0.241
19.30	5.625	0.925	4.700	30	0.157	8.145	0.665	7.480	30	0.249
20.00	5.275	0.930	4.345	30	0.145	7.720	0.670	7.050	30	0.235
20.30	5.380	0.925	4.455	30	0.149	8.050	0.665	7.385	30	0.246
21.00	5.220	0.930	4.290	30	0.143	7.955	0.670	7.285	30	0.243
21.30	5.285	0.925	4.360	30	0.145	8.305	0.665	7.640	30	0.255
22.00	5.265	0.930	4.335	30	0.145	8.020	0.670	7.350	30	0.245
22.30	5.080	0.925	4.155	30	0.139	7.775	0.665	7.110	30	0.237
23.00	5.090	0.930	4.160	30	0.139	8.010	0.670	7.340	30	0.245
23.30	5.055	0.925	4.130	30	0.138	8.120	0.665	7.455	30	0.249
24.00	4.955	0.930	4.025	30	0.134	8.190	0.670	7.520	30	0.251
24.30	5.055	0.925	4.130	30	0.138	8.145	0.665	7.480	30	0.249
25.00	4.880	0.930	3.950	30	0.132	8.175	0.670	7.505	30	0.250
25.30	4.950	0.925	4.025	30	0.134	8.125	0.665	7.460	30	0.249
26.00	4.950	0.930	4.020	30	0.134	8.285	0.670	7.615	30	0.254

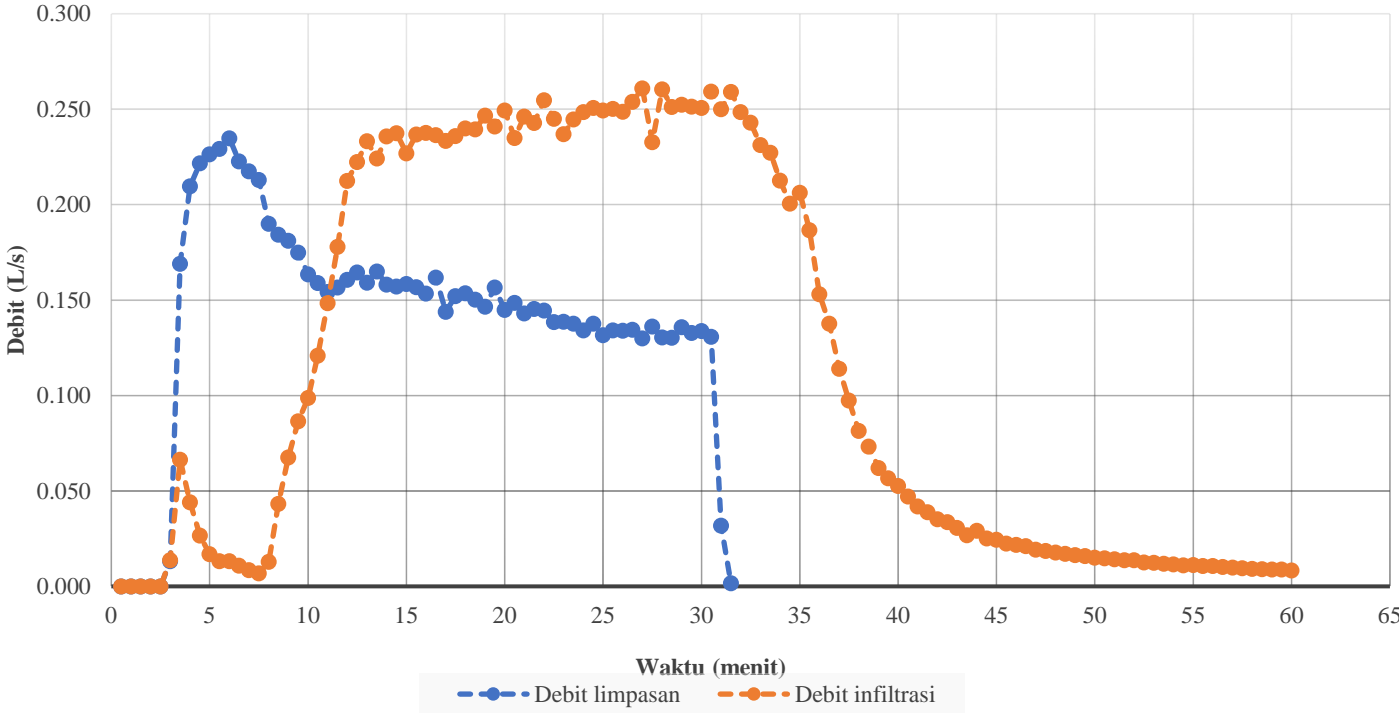
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	4.960	0.925	4.035	30	0.135	8.495	0.665	7.830	30	0.261
27.00	4.830	0.930	3.900	30	0.130	7.655	0.670	6.985	30	0.233
27.30	5.010	0.925	4.085	30	0.136	8.480	0.665	7.815	30	0.261
28.00	4.845	0.930	3.915	30	0.131	8.205	0.670	7.535	30	0.251
28.30	4.835	0.925	3.910	30	0.130	8.235	0.665	7.570	30	0.252
29.00	5.005	0.930	4.075	30	0.136	8.210	0.670	7.540	30	0.251
29.30	4.910	0.925	3.985	30	0.133	8.185	0.665	7.520	30	0.251
30.00	4.945	0.930	4.015	30	0.134	8.450	0.670	7.780	30	0.259
30.30	4.850	0.925	3.925	30	0.131	8.165	0.665	7.500	30	0.250
31.00	1.885	0.930	0.955	30	0.032	8.445	0.670	7.775	30	0.259
31.30	0.975	0.925	0.050	30	0.002	8.120	0.665	7.455	30	0.249
32.00			0.000	30	0.000	7.960	0.670	7.290	30	0.243
32.30						7.605	0.665	6.940	30	0.231
33.00						7.485	0.670	6.815	30	0.227
33.30						7.045	0.665	6.380	30	0.213
34.00						6.685	0.670	6.015	30	0.201
34.30						6.855	0.665	6.190	30	0.206
35.00						6.270	0.670	5.600	30	0.187
35.30						5.260	0.665	4.595	30	0.153
36.00						4.800	0.670	4.130	30	0.138
36.30						3.680	0.260	3.420	30	0.114
37.00						3.185	0.260	2.925	30	0.098

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.705	0.260	2.445	30	0.082
38.00						2.460	0.260	2.200	30	0.073
38.30						2.120	0.260	1.860	30	0.062
39.00						1.960	0.260	1.700	30	0.057
39.30						1.840	0.260	1.580	30	0.053
40.00						1.675	0.260	1.415	30	0.047
40.30						1.520	0.260	1.260	30	0.042
41.00						1.425	0.260	1.165	30	0.039
41.30						1.315	0.260	1.055	30	0.035
42.00						1.270	0.260	1.010	30	0.034
42.30						1.180	0.260	0.920	30	0.031
43.00						1.065	0.260	0.805	30	0.027
43.30						1.135	0.260	0.875	30	0.029
44.00						1.015	0.260	0.755	30	0.025
44.30						0.995	0.260	0.735	30	0.025
45.00						0.935	0.260	0.675	30	0.023
45.30						0.915	0.260	0.655	30	0.022
46.00						0.895	0.260	0.635	30	0.021
46.30						0.840	0.260	0.580	30	0.019
47.00						0.820	0.260	0.560	30	0.019
47.30						0.795	0.260	0.535	30	0.018
48.00						0.775	0.260	0.515	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.755	0.260	0.495	30	0.017
49.00						0.740	0.260	0.480	30	0.016
49.30						0.715	0.260	0.455	30	0.015
50.00						0.700	0.260	0.440	30	0.015
50.30						0.685	0.260	0.425	30	0.014
51.00						0.670	0.260	0.410	30	0.014
51.30						0.670	0.260	0.410	30	0.014
52.00						0.635	0.260	0.375	30	0.013
52.30						0.630	0.260	0.370	30	0.012
53.00						0.615	0.260	0.355	30	0.012
53.30						0.605	0.260	0.345	30	0.012
54.00						0.590	0.260	0.330	30	0.011
54.30						0.595	0.260	0.335	30	0.011
55.00						0.580	0.260	0.320	30	0.011
55.30						0.580	0.260	0.320	30	0.011
56.00						0.565	0.260	0.305	30	0.010
56.30						0.555	0.260	0.295	30	0.010
57.00						0.545	0.260	0.285	30	0.010
57.30						0.535	0.260	0.275	30	0.009
58.00						0.530	0.260	0.270	30	0.009
58.30						0.525	0.260	0.265	30	0.009
59.00						0.525	0.260	0.265	30	0.009

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.510	0.260	0.250	30	0.008
60.00						0.510	0.260	0.250	30	0.008

Debit Outflow



Hasil Pengujian Variasi K-1 Uji ke-1

Tanggal : Kamis, 21 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3.520	3.810	3.505
Volume air (L), V	3.520	3.810	3.505
Waktu (s), t	3.51	3.65	3.44
Debit ukur (L/s), $Q=V/t$	1.003	1.044	1.019
Debit rata-rata (L/s)	1.022		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	5.700	0.930	4.770	30	0.159	0.000	0.000	0.000	30	0.000
2.00	18.855	0.910	17.945	30	0.598	0.345	0.260	0.085	30	0.003
2.30	19.480	0.930	18.550	30	0.618	1.105	0.260	0.845	30	0.028
3.00	19.780	0.910	18.870	30	0.629	1.145	0.260	0.885	30	0.030
3.30	19.545	0.930	18.615	30	0.621	0.900	0.260	0.640	30	0.021
4.00	19.895	0.910	18.985	30	0.633	0.700	0.260	0.440	30	0.015

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	19.790	0.930	18.860	30	0.629	0.575	0.260	0.315	30	0.011
5.00	19.920	0.910	19.010	30	0.634	0.530	0.260	0.270	30	0.009
5.30	20.100	0.930	19.170	30	0.639	0.600	0.260	0.340	30	0.011
6.00	18.755	0.910	17.845	30	0.595	0.630	0.260	0.370	30	0.012
6.30	18.850	0.930	17.920	30	0.597	0.660	0.260	0.400	30	0.013
7.00	19.460	0.910	18.550	30	0.618	0.795	0.260	0.535	30	0.018
7.30	19.075	0.930	18.145	30	0.605	0.995	0.260	0.735	30	0.025
8.00	19.085	0.910	18.175	30	0.606	1.435	0.260	1.175	30	0.039
8.30	19.490	0.930	18.560	30	0.619	1.985	0.260	1.725	30	0.058
9.00	18.245	0.910	17.335	30	0.578	2.555	0.260	2.295	30	0.077
9.30	18.910	0.930	17.980	30	0.599	2.885	0.260	2.625	30	0.088
10.00	18.620	0.910	17.710	30	0.590	3.155	0.260	2.895	30	0.097
10.30	19.185	0.930	18.255	30	0.609	3.545	0.260	3.285	30	0.110
11.00	18.295	0.910	17.385	30	0.580	3.755	0.260	3.495	30	0.117
11.30	18.850	0.930	17.920	30	0.597	3.985	0.260	3.725	30	0.124
12.00	18.875	0.910	17.965	30	0.599	4.235	0.260	3.975	30	0.133
12.30	18.255	0.930	17.325	30	0.578	4.410	0.260	4.150	30	0.138
13.00	18.445	0.910	17.535	30	0.585	4.720	0.260	4.460	30	0.149
13.30	18.980	0.930	18.050	30	0.602	4.755	0.260	4.495	30	0.150
14.00	18.340	0.910	17.430	30	0.581	4.510	0.260	4.250	30	0.142
14.30	18.910	0.930	17.980	30	0.599	4.765	0.260	4.505	30	0.150
15.00	17.705	0.910	16.795	30	0.560	4.935	0.260	4.675	30	0.156

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	19.085	0.930	18.155	30	0.605	5.320	0.260	5.060	30	0.169
16.00	17.615	0.910	16.705	30	0.557	4.320	0.260	4.060	30	0.135
16.30	19.515	0.930	18.585	30	0.620	4.910	0.260	4.650	30	0.155
17.00	19.120	0.910	18.210	30	0.607	5.180	0.260	4.920	30	0.164
17.30	16.560	0.930	15.630	30	0.521	4.855	0.260	4.595	30	0.153
18.00	18.115	0.910	17.205	30	0.574	5.005	0.260	4.745	30	0.158
18.30	18.115	0.930	17.185	30	0.573	5.240	0.260	4.980	30	0.166
19.00	18.015	0.910	17.105	30	0.570	5.100	0.260	4.840	30	0.161
19.30	17.900	0.930	16.970	30	0.566	5.150	0.260	4.890	30	0.163
20.00	17.995	0.910	17.085	30	0.570	5.095	0.260	4.835	30	0.161
20.30	18.385	0.930	17.455	30	0.582	5.285	0.260	5.025	30	0.168
21.00	17.690	0.910	16.780	30	0.559	5.275	0.260	5.015	30	0.167
21.30	18.105	0.930	17.175	30	0.573	5.095	0.260	4.835	30	0.161
22.00	17.975	0.910	17.065	30	0.569	5.310	0.260	5.050	30	0.168
22.30	17.730	0.930	16.800	30	0.560	5.325	0.260	5.065	30	0.169
23.00	18.925	0.910	18.015	30	0.601	5.460	0.260	5.200	30	0.173
23.30	17.285	0.930	16.355	30	0.545	5.065	0.260	4.805	30	0.160
24.00	17.365	0.910	16.455	30	0.549	5.020	0.260	4.760	30	0.159
24.30	18.590	0.930	17.660	30	0.589	5.310	0.260	5.050	30	0.168
25.00	18.755	0.910	17.845	30	0.595	5.340	0.260	5.080	30	0.169
25.30	17.880	0.930	16.950	30	0.565	5.240	0.260	4.980	30	0.166
26.00	18.035	0.910	17.125	30	0.571	5.290	0.260	5.030	30	0.168

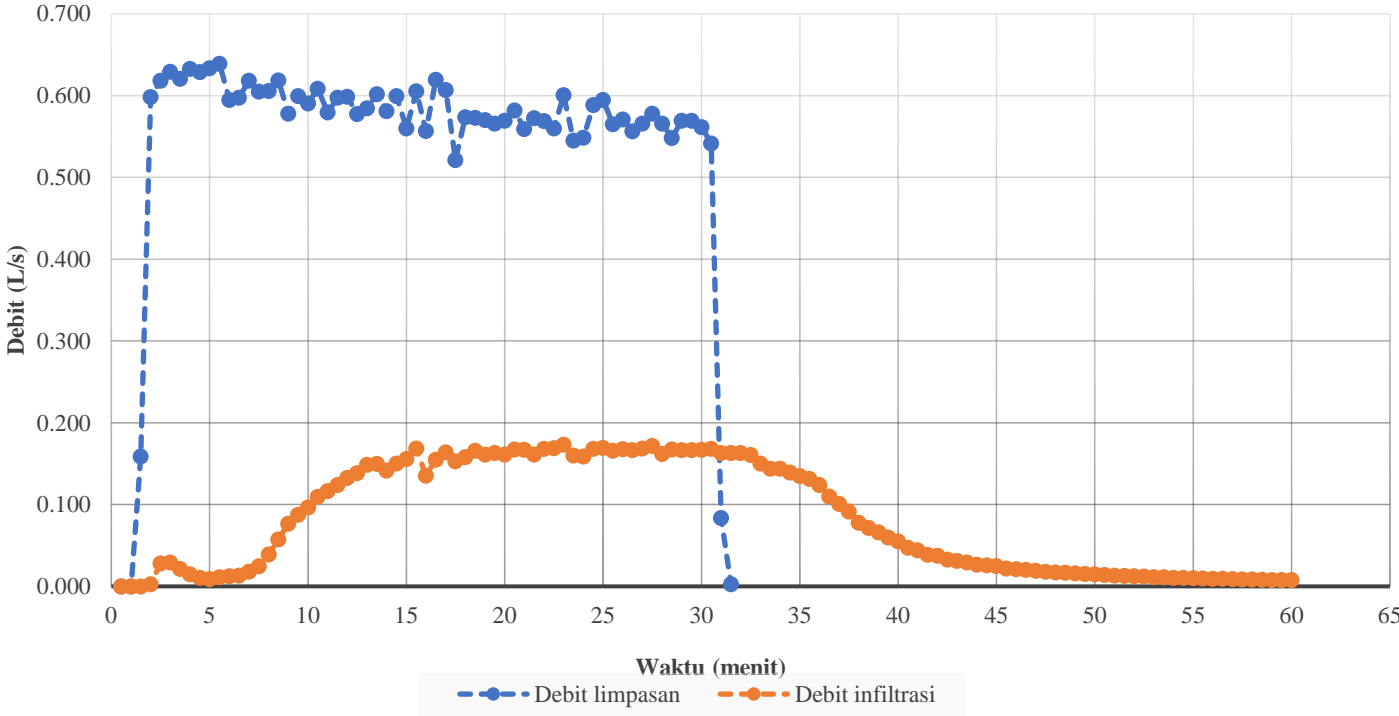
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	17.620	0.930	16.690	30	0.556	5.255	0.260	4.995	30	0.167
27.00	17.885	0.910	16.975	30	0.566	5.315	0.260	5.055	30	0.169
27.30	18.265	0.930	17.335	30	0.578	5.415	0.260	5.155	30	0.172
28.00	17.885	0.910	16.975	30	0.566	5.120	0.260	4.860	30	0.162
28.30	17.375	0.930	16.445	30	0.548	5.280	0.260	5.020	30	0.167
29.00	17.995	0.910	17.085	30	0.570	5.260	0.260	5.000	30	0.167
29.30	18.015	0.930	17.085	30	0.570	5.255	0.260	4.995	30	0.167
30.00	17.760	0.910	16.850	30	0.562	5.270	0.260	5.010	30	0.167
30.30	17.180	0.930	16.250	30	0.542	5.303	0.260	5.043	30	0.168
31.00	3.420	0.910	2.510	30	0.084	5.155	0.260	4.895	30	0.163
31.30	1.015	0.930	0.085	30	0.003	5.160	0.260	4.900	30	0.163
32.00						5.155	0.260	4.895	30	0.163
32.30						5.090	0.260	4.830	30	0.161
33.00						4.765	0.260	4.505	30	0.150
33.30						4.585	0.260	4.325	30	0.144
34.00						4.585	0.260	4.325	30	0.144
34.30						4.435	0.260	4.175	30	0.139
35.00						4.305	0.260	4.045	30	0.135
35.30						4.200	0.260	3.940	30	0.131
36.00						3.975	0.260	3.715	30	0.124
36.30						3.555	0.260	3.295	30	0.110
37.00						3.285	0.260	3.025	30	0.101

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						3.010	0.260	2.750	30	0.092
38.00						2.595	0.260	2.335	30	0.078
38.30						2.413	0.260	2.153	30	0.072
39.00						2.247	0.260	1.987	30	0.066
39.30						2.050	0.260	1.790	30	0.060
40.00						1.915	0.260	1.655	30	0.055
40.30						1.680	0.260	1.420	30	0.047
41.00						1.590	0.260	1.330	30	0.044
41.30						1.420	0.260	1.160	30	0.039
42.00						1.570	0.260	1.310	35	0.037
42.30						1.080	0.260	0.820	25	0.033
43.00						1.195	0.260	0.935	30	0.031
43.30						1.145	0.260	0.885	30	0.030
44.00						1.060	0.260	0.800	30	0.027
44.30						1.040	0.260	0.780	30	0.026
45.00						1.005	0.260	0.745	30	0.025
45.30						0.915	0.260	0.655	30	0.022
46.00						0.895	0.260	0.635	30	0.021
46.30						0.870	0.260	0.610	30	0.020
47.00						0.840	0.260	0.580	30	0.019
47.30						0.795	0.260	0.535	30	0.018
48.00						0.775	0.260	0.515	30	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.760	0.260	0.500	30	0.017
49.00						0.735	0.260	0.475	30	0.016
49.30						0.715	0.260	0.455	30	0.015
50.00						0.700	0.260	0.440	30	0.015
50.30						0.680	0.260	0.420	30	0.014
51.00						0.660	0.260	0.400	30	0.013
51.30						0.650	0.260	0.390	30	0.013
52.00						0.640	0.260	0.380	30	0.013
52.30						0.620	0.260	0.360	30	0.012
53.00						0.595	0.260	0.335	30	0.011
53.30						0.605	0.260	0.345	30	0.012
54.00						0.580	0.260	0.320	30	0.011
54.30						0.575	0.260	0.315	30	0.011
55.00						0.560	0.260	0.300	30	0.010
55.30						0.550	0.260	0.290	30	0.010
56.00						0.545	0.260	0.285	30	0.010
56.30						0.540	0.260	0.280	30	0.009
57.00						0.525	0.260	0.265	30	0.009
57.30						0.520	0.260	0.260	30	0.009
58.00						0.515	0.260	0.255	30	0.009
58.30						0.505	0.260	0.245	30	0.008
59.00						0.500	0.260	0.240	30	0.008

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.490	0.260	0.230	30	0.008
60.00						0.490	0.260	0.230	30	0.008

Debit *Outflow*



Hasil Pengujian Variasi K-1 Uji ke-2

Tanggal : Kamis, 21 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3.475	3.215	3.770
Volume air (L), V	3.475	3.215	3.770
Waktu (s), t	3.57	3.26	3.82
Debit ukur (L/s), $Q=V/t$	0.973	0.986	0.987
Debit rata-rata (L/s)	0.982		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	Wt	Ww	V=Wt-Ww	t	$Q=V/t$	Wt	Ww	V=Wt-Ww	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	6.145	0.930	5.215	30	0.174	0.000	0.000	0.000	30	0.000
2.00	19.400	0.925	18.475	30	0.616	0.000	0.000	0.000	30	0.000
2.30	20.845	0.930	19.915	30	0.664	0.435	0.260	0.175	30	0.006
3.00	20.900	0.925	19.975	30	0.666	1.120	0.260	0.860	30	0.029
3.30	20.760	0.930	19.830	30	0.661	1.130	0.260	0.870	30	0.029
4.00	20.490	0.925	19.565	30	0.652	0.840	0.260	0.580	30	0.019

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	21.360	0.930	20.430	30	0.681	0.735	0.260	0.475	30	0.016
5.00	20.060	0.925	19.135	30	0.638	0.625	0.260	0.365	30	0.012
5.30	21.065	0.930	20.135	30	0.671	0.535	0.260	0.275	30	0.009
6.00	20.400	0.925	19.475	30	0.649	0.500	0.260	0.240	30	0.008
6.30	20.910	0.930	19.980	30	0.666	0.455	0.260	0.195	30	0.007
7.00	20.055	0.925	19.130	30	0.638	0.395	0.260	0.135	30	0.005
7.30	20.340	0.930	19.410	30	0.647	0.345	0.260	0.085	30	0.003
8.00	20.690	0.925	19.765	30	0.659	0.370	0.260	0.110	30	0.004
8.30	20.405	0.930	19.475	30	0.649	0.465	0.260	0.205	30	0.007
9.00	20.580	0.925	19.655	30	0.655	0.590	0.260	0.330	30	0.011
9.30	19.865	0.930	18.935	30	0.631	0.785	0.260	0.525	30	0.018
10.00	20.055	0.925	19.130	30	0.638	1.000	0.260	0.740	30	0.025
10.30	20.310	0.930	19.380	30	0.646	1.225	0.260	0.965	30	0.032
11.00	19.940	0.925	19.015	30	0.634	1.630	0.260	1.370	30	0.046
11.30	20.280	0.930	19.350	30	0.645	2.000	0.260	1.740	30	0.058
12.00	20.100	0.925	19.175	30	0.639	2.150	0.260	1.890	30	0.063
12.30	20.300	0.930	19.370	30	0.646	2.220	0.260	1.960	30	0.065
13.00	19.875	0.925	18.950	30	0.632	2.285	0.260	2.025	30	0.068
13.30	19.820	0.930	18.890	30	0.630	2.420	0.260	2.160	30	0.072
14.00	20.740	0.925	19.815	30	0.661	2.410	0.260	2.150	30	0.072
14.30	19.895	0.930	18.965	30	0.632	2.565	0.260	2.305	30	0.077
15.00	20.180	0.925	19.255	30	0.642	2.605	0.260	2.345	30	0.078

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	20.030	0.930	19.100	30	0.637	2.710	0.260	2.450	30	0.082
16.00	19.105	0.925	18.180	30	0.606	2.775	0.260	2.515	30	0.084
16.30	20.230	0.930	19.300	30	0.643	2.765	0.260	2.505	30	0.084
17.00	19.655	0.925	18.730	30	0.624	2.820	0.260	2.560	30	0.085
17.30	20.155	0.930	19.225	30	0.641	2.925	0.260	2.665	30	0.089
18.00	18.880	0.925	17.955	30	0.599	2.975	0.260	2.715	30	0.091
18.30	20.120	0.930	19.190	30	0.640	2.990	0.260	2.730	30	0.091
19.00	19.345	0.925	18.420	30	0.614	3.010	0.260	2.750	30	0.092
19.30	19.960	0.930	19.030	30	0.634	3.005	0.260	2.745	30	0.092
20.00	19.690	0.925	18.765	30	0.626	3.050	0.260	2.790	30	0.093
20.30	19.535	0.930	18.605	30	0.620	3.060	0.260	2.800	30	0.093
21.00	18.870	0.925	17.945	30	0.598	3.120	0.260	2.860	30	0.095
21.30	19.535	0.930	18.605	30	0.620	3.055	0.260	2.795	30	0.093
22.00	20.345	0.925	19.420	30	0.647	3.160	0.260	2.900	30	0.097
22.30	19.875	0.930	18.945	30	0.632	3.225	0.260	2.965	30	0.099
23.00	19.550	0.925	18.625	30	0.621	3.095	0.260	2.835	30	0.095
23.30	20.350	0.930	19.420	30	0.647	3.180	0.260	2.920	30	0.097
24.00	19.400	0.925	18.475	30	0.616	3.235	0.260	2.975	30	0.099
24.30	18.980	0.930	18.050	30	0.602	3.085	0.260	2.825	30	0.094
25.00	19.785	0.925	18.860	30	0.629	3.285	0.260	3.025	30	0.101
25.30	19.515	0.930	18.585	30	0.620	3.265	0.260	3.005	30	0.100
26.00	19.880	0.925	18.955	30	0.632	3.240	0.260	2.980	30	0.099

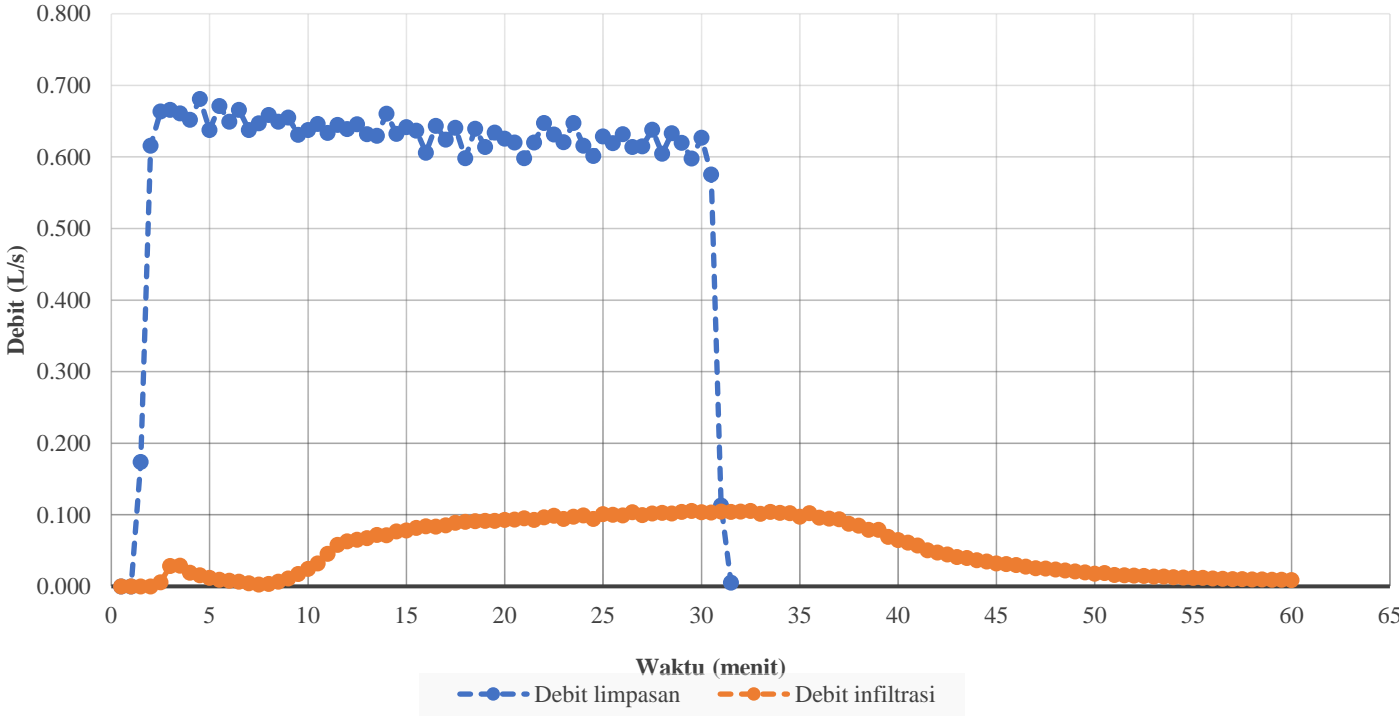
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	19.350	0.930	18.420	30	0.614	3.370	0.260	3.110	30	0.104
27.00	19.370	0.925	18.445	30	0.615	3.250	0.260	2.990	30	0.100
27.30	20.070	0.930	19.140	30	0.638	3.320	0.260	3.060	30	0.102
28.00	19.065	0.925	18.140	30	0.605	3.340	0.260	3.080	30	0.103
28.30	19.920	0.930	18.990	30	0.633	3.315	0.260	3.055	30	0.102
29.00	19.515	0.925	18.590	30	0.620	3.380	0.260	3.120	30	0.104
29.30	18.870	0.930	17.940	30	0.598	3.420	0.260	3.160	30	0.105
30.00	19.730	0.925	18.805	30	0.627	3.370	0.260	3.110	30	0.104
30.30	18.200	0.930	17.270	30	0.576	3.365	0.260	3.105	30	0.104
31.00	4.320	0.925	3.395	30	0.113	3.400	0.260	3.140	30	0.105
31.30	1.095	0.930	0.165	30	0.006	3.380	0.260	3.120	30	0.104
32.00						3.400	0.260	3.140	30	0.105
32.30						3.430	0.260	3.170	30	0.106
33.00						3.310	0.260	3.050	30	0.102
33.30						3.380	0.260	3.120	30	0.104
34.00						3.345	0.260	3.085	30	0.103
34.30						3.325	0.260	3.065	30	0.102
35.00						3.180	0.260	2.920	30	0.097
35.30						3.330	0.260	3.070	30	0.102
36.00						3.150	0.260	2.890	30	0.096
36.30						3.100	0.260	2.840	30	0.095
37.00						3.080	0.260	2.820	30	0.094

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30						2.890	0.260	2.630	30	0.088
38.00						2.810	0.260	2.550	30	0.085
38.30						2.635	0.260	2.375	30	0.079
39.00						2.630	0.260	2.370	30	0.079
39.30						2.335	0.260	2.075	30	0.069
40.00						2.200	0.260	1.940	30	0.065
40.30						2.095	0.260	1.835	30	0.061
41.00						1.975	0.260	1.715	30	0.057
41.30						1.780	0.260	1.520	30	0.051
42.00						1.675	0.260	1.415	30	0.047
42.30						1.605	0.260	1.345	30	0.045
43.00						1.495	0.260	1.235	30	0.041
43.30						1.455	0.260	1.195	30	0.040
44.00						1.355	0.260	1.095	30	0.037
44.30						1.305	0.260	1.045	30	0.035
45.00						1.230	0.260	0.970	30	0.032
45.30						1.195	0.260	0.935	30	0.031
46.00						1.155	0.260	0.895	30	0.030
46.30						1.090	0.260	0.830	30	0.028
47.00						1.020	0.260	0.760	30	0.025
47.30						1.005	0.260	0.745	30	0.025
48.00						0.965	0.260	0.705	30	0.024

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						0.930	0.260	0.670	30	0.022
49.00						0.890	0.260	0.630	30	0.021
49.30						0.855	0.260	0.595	30	0.020
50.00						0.790	0.260	0.530	30	0.018
50.30						0.820	0.260	0.560	30	0.019
51.00						0.745	0.260	0.485	30	0.016
51.30						0.735	0.260	0.475	30	0.016
52.00						0.720	0.260	0.460	30	0.015
52.30						0.705	0.260	0.445	30	0.015
53.00						0.680	0.260	0.420	30	0.014
53.30						0.675	0.260	0.415	30	0.014
54.00						0.655	0.260	0.395	30	0.013
54.30						0.640	0.260	0.380	30	0.013
55.00						0.620	0.260	0.360	30	0.012
55.30						0.625	0.260	0.365	30	0.012
56.00						0.590	0.260	0.330	30	0.011
56.30						0.580	0.260	0.320	30	0.011
57.00						0.570	0.260	0.310	30	0.010
57.30						0.565	0.260	0.305	30	0.010
58.00						0.560	0.260	0.300	30	0.010
58.30						0.550	0.260	0.290	30	0.010
59.00						0.545	0.260	0.285	30	0.010

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.535	0.260	0.275	30	0.009
60.00						0.525	0.260	0.265	30	0.009

Debit Outflow



Hasil Pengujian Variasi K-2 Uji ke-1

Tanggal : Jumat, 22 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3.210	3.140	3.200
Volume air (L), V	3.210	3.140	3.200
Waktu (s), t	3.31	3.19	3.26
Debit ukur (L/s), $Q=V/t$	0.970	0.984	0.982
Debit rata-rata (L/s)	0.979		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	17.650	0.930	16.720	30	0.557	0.000	0.000	0.000	30	0.000
2.30	21.890	0.925	20.965	30	0.699	0.385	0.260	0.125	30	0.004
3.00	22.325	0.930	21.395	30	0.713	0.615	0.260	0.355	30	0.012
3.30	21.935	0.925	21.010	30	0.700	0.635	0.260	0.375	30	0.013
4.00	22.165	0.930	21.235	30	0.708	0.585	0.260	0.325	30	0.011

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	21.535	0.925	20.610	30	0.687	0.525	0.260	0.265	30	0.009
5.00	21.195	0.930	20.265	30	0.676	0.460	0.260	0.200	30	0.007
5.30	22.035	0.925	21.110	30	0.704	0.435	0.260	0.175	30	0.006
6.00	21.925	0.930	20.995	30	0.700	0.405	0.260	0.145	30	0.005
6.30	21.205	0.925	20.280	30	0.676	0.390	0.260	0.130	30	0.004
7.00	21.895	0.930	20.965	30	0.699	0.380	0.260	0.120	30	0.004
7.30	21.470	0.925	20.545	30	0.685	0.425	0.260	0.165	30	0.006
8.00	21.270	0.930	20.340	30	0.678	0.530	0.260	0.270	30	0.009
8.30	21.105	0.925	20.180	30	0.673	0.565	0.260	0.305	30	0.010
9.00	21.785	0.930	20.855	30	0.695	0.545	0.260	0.285	30	0.010
9.30	21.420	0.925	20.495	30	0.683	0.530	0.260	0.270	30	0.009
10.00	20.940	0.930	20.010	30	0.667	0.525	0.260	0.265	30	0.009
10.30	21.775	0.925	20.850	30	0.695	0.575	0.260	0.315	30	0.011
11.00	20.790	0.930	19.860	30	0.662	0.650	0.260	0.390	30	0.013
11.30	21.610	0.925	20.685	30	0.690	0.790	0.260	0.530	30	0.018
12.00	20.930	0.930	20.000	30	0.667	0.940	0.260	0.680	30	0.023
12.30	21.040	0.925	20.115	30	0.671	1.090	0.260	0.830	30	0.028
13.00	21.105	0.930	20.175	30	0.673	1.235	0.260	0.975	30	0.033
13.30	21.030	0.925	20.105	30	0.670	1.350	0.260	1.090	30	0.036
14.00	20.610	0.930	19.680	30	0.656	1.430	0.260	1.170	30	0.039
14.30	20.905	0.925	19.980	30	0.666	1.570	0.260	1.310	30	0.044
15.00	20.975	0.930	20.045	30	0.668	1.600	0.260	1.340	30	0.045

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	20.925	0.925	20.000	30	0.667	1.715	0.260	1.455	30	0.049
16.00	20.520	0.930	19.590	30	0.653	1.835	0.260	1.575	30	0.053
16.30	20.765	0.925	19.840	30	0.661	1.905	0.260	1.645	30	0.055
17.00	20.515	0.930	19.585	30	0.653	1.965	0.260	1.705	30	0.057
17.30	21.305	0.925	20.380	30	0.679	2.160	0.260	1.900	30	0.063
18.00	19.600	0.930	18.670	30	0.622	2.120	0.260	1.860	30	0.062
18.30	19.645	0.925	18.720	30	0.624	2.320	0.260	2.060	30	0.069
19.00	20.715	0.925	19.790	30	0.660	2.310	0.260	2.050	30	0.068
19.30	20.635	0.925	19.710	30	0.657	2.420	0.260	2.160	30	0.072
20.00	20.885	0.925	19.960	30	0.665	2.540	0.260	2.280	30	0.076
20.30	20.280	0.925	19.355	30	0.645	2.576	0.260	2.316	30	0.077
21.00	19.920	0.925	18.995	30	0.633	2.565	0.260	2.305	30	0.077
21.30	20.580	0.925	19.655	30	0.655	2.645	0.260	2.385	30	0.080
22.00	19.970	0.925	19.045	30	0.635	2.680	0.260	2.420	30	0.081
22.30	20.705	0.925	19.780	30	0.659	2.740	0.260	2.480	30	0.083
23.00	20.365	0.925	19.440	30	0.648	2.820	0.260	2.560	30	0.085
23.30	20.470	0.925	19.545	30	0.652	2.830	0.260	2.570	30	0.086
24.00	20.265	0.925	19.340	30	0.645	2.835	0.260	2.575	30	0.086
24.30	19.365	0.925	18.440	30	0.615	2.860	0.260	2.600	30	0.087
25.00	20.310	0.925	19.385	30	0.646	3.025	0.260	2.765	30	0.092
25.30	20.665	0.925	19.740	30	0.658	2.945	0.260	2.685	30	0.090
26.00	22.145	0.925	21.220	34	0.624	3.250	0.260	2.990	35	0.085

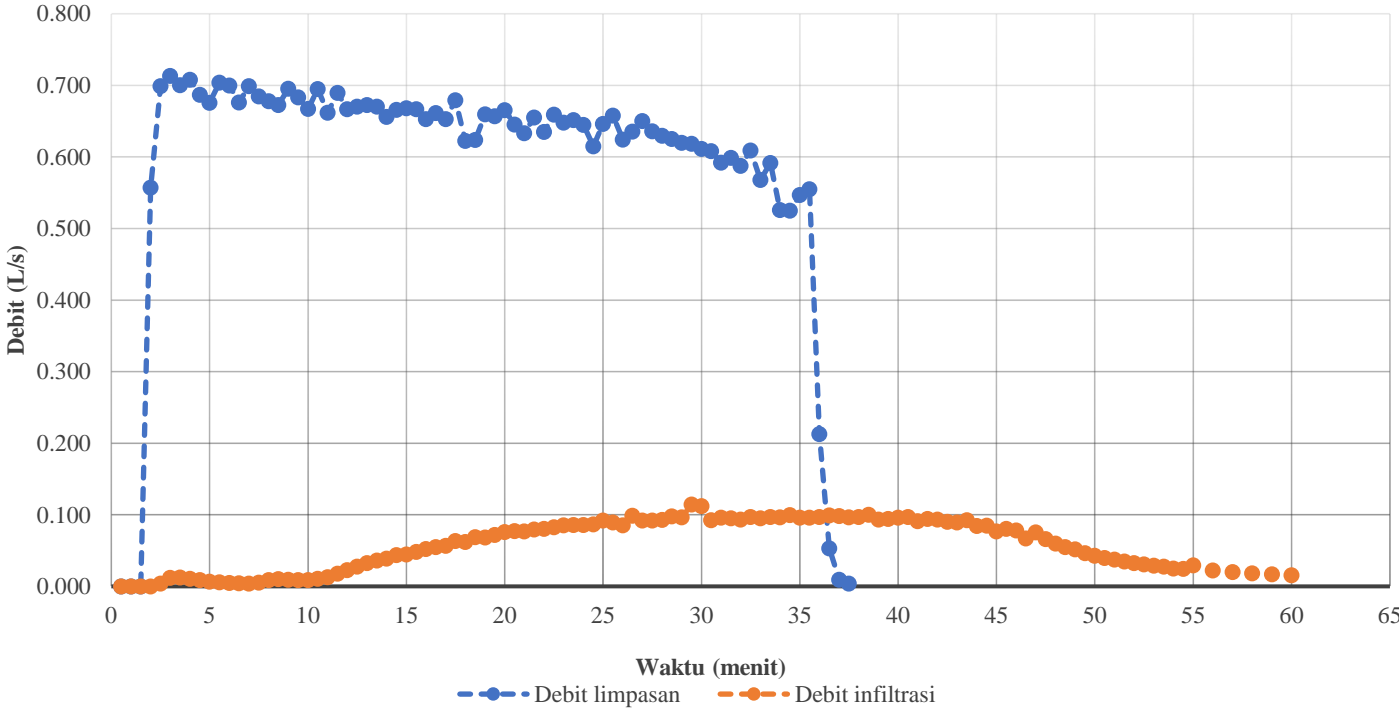
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	17.445	0.925	16.520	26	0.635	2.730	0.260	2.470	25	0.099
27.00	20.430	0.925	19.505	30	0.650	3.025	0.260	2.765	30	0.092
27.30	20.000	0.925	19.075	30	0.636	3.020	0.260	2.760	30	0.092
28.00	19.812	0.925	18.887	30	0.630	3.045	0.260	2.785	30	0.093
28.30	19.681	0.925	18.756	30	0.625	3.191	0.260	2.931	30	0.098
29.00	19.520	0.925	18.595	30	0.620	3.153	0.260	2.893	30	0.096
29.30	19.473	0.925	18.548	30	0.618	7.120	0.260	6.860	60	0.114
30.00	19.258	0.925	18.333	30	0.611	3.630	0.260	3.370	30	0.112
30.30	19.174	0.925	18.249	30	0.608	3.040	0.260	2.780	30	0.093
31.00	18.685	0.925	17.760	30	0.592	3.150	0.260	2.890	30	0.096
31.30	18.895	0.925	17.970	30	0.599	3.115	0.260	2.855	30	0.095
32.00	18.550	0.925	17.625	30	0.588	3.060	0.260	2.800	30	0.093
32.30	19.195	0.925	18.27	30	0.609	3.165	0.260	2.905	30	0.097
33.00	17.965	0.925	17.04	30	0.568	3.115	0.260	2.855	30	0.095
33.30	18.670	0.925	17.745	30	0.592	3.170	0.260	2.910	30	0.097
34.00	16.705	0.925	15.78	30	0.526	3.160	0.260	2.900	30	0.097
34.30	16.675	0.925	15.75	30	0.525	3.250	0.260	2.990	30	0.100
35.00	17.335	0.925	16.41	30	0.547	3.145	0.260	2.885	30	0.096
35.30	17.580	0.925	16.655	30	0.555	3.150	0.260	2.890	30	0.096
36.00	7.315	0.925	6.39	30	0.213	3.170	0.260	2.910	30	0.097
36.30	2.515	0.925	1.59	30	0.053	3.240	0.260	2.980	30	0.099
37.00	1.200	0.925	0.275	30	0.009	3.205	0.260	2.945	30	0.098

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30	1.040	0.925	0.115	30	0.004	3.160	0.260	2.900	30	0.097
38.00						3.165	0.260	2.905	30	0.097
38.30						3.270	0.260	3.010	30	0.100
39.00						3.065	0.260	2.805	30	0.094
39.30						3.095	0.260	2.835	30	0.095
40.00						3.140	0.260	2.880	30	0.096
40.30						3.170	0.260	2.910	30	0.097
41.00						2.995	0.260	2.735	30	0.091
41.30						3.090	0.260	2.830	30	0.094
42.00						3.065	0.260	2.805	30	0.094
42.30						2.965	0.260	2.705	30	0.090
43.00						3.210	0.260	2.950	33	0.089
43.30						2.760	0.260	2.500	27	0.093
44.00						3.045	0.260	2.785	33	0.084
44.30						2.550	0.260	2.290	27	0.085
45.00						2.565	0.260	2.305	30	0.077
45.30						2.760	0.260	2.500	31	0.081
46.00						2.535	0.260	2.275	29	0.078
46.30						2.410	0.260	2.150	32	0.067
47.00						2.380	0.260	2.120	28	0.076
47.30						2.245	0.260	1.985	30	0.066
48.00						2.055	0.260	1.795	30	0.060

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						1.905	0.260	1.645	30	0.055
49.00						1.815	0.260	1.555	30	0.052
49.30						1.650	0.260	1.390	30	0.046
50.00						1.545	0.260	1.285	30	0.043
50.30						1.450	0.260	1.190	30	0.040
51.00						1.385	0.260	1.125	30	0.038
51.30						1.300	0.260	1.040	30	0.035
52.00						1.245	0.260	0.985	30	0.033
52.30						1.190	0.260	0.930	30	0.031
53.00						1.135	0.260	0.875	30	0.029
53.30						1.090	0.260	0.830	30	0.028
54.00						1.015	0.260	0.755	30	0.025
54.30						1.000	0.260	0.740	30	0.025
55.00						1.150	0.260	0.890	30	0.030
55.30										
56.00						1.600	0.260	1.340	60	0.022
56.30										
57.00						1.475	0.260	1.215	60	0.020
57.30										
58.00						1.360	0.260	1.100	60	0.018
58.30										
59.00						1.285	0.260	1.025	60	0.017

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30										
60.00						1.195	0.260	0.935	60	0.016

Debit Outflow



Hasil Pengujian Variasi K-2 Uji ke-2

Tanggal : Jumat, 22 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3.79	3.825	3.56
Volume air (L), V	3.79	3.825	3.56
Waktu (s), t	3.63	3.72	3.58
Debit ukur (L/s), $Q=V/t$	1.044	1.028	0.994
Debit rata-rata (L/s)	1.022		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	1.860	0.925	0.935	30	0.031	0.000	0.000	0.000	30	0.000
2.00	17.125	0.925	16.200	30	0.540	0.000	0.000	0.000	30	0.000
2.30	21.525	0.925	20.600	30	0.687	0.590	0.260	0.330	30	0.011
3.00	21.375	0.925	20.450	30	0.682	0.775	0.260	0.515	30	0.017
3.30	21.415	0.925	20.490	30	0.683	0.745	0.260	0.485	30	0.016
4.00	21.655	0.925	20.730	30	0.691	0.695	0.260	0.435	30	0.015

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	21.580	0.925	20.655	30	0.689	0.615	0.260	0.355	30	0.012
5.00	21.260	0.925	20.335	30	0.678	0.560	0.260	0.300	30	0.010
5.30	21.145	0.925	20.220	30	0.674	0.500	0.260	0.240	30	0.008
6.00	21.860	0.925	20.935	30	0.698	0.470	0.260	0.210	30	0.007
6.30	21.505	0.925	20.580	30	0.686	0.435	0.260	0.175	30	0.006
7.00	21.445	0.925	20.520	30	0.684	0.435	0.260	0.175	30	0.006
7.30	20.705	0.925	19.780	30	0.659	0.445	0.260	0.185	30	0.006
8.00	21.700	0.925	20.775	30	0.693	0.515	0.260	0.255	30	0.009
8.30	21.695	0.925	20.770	30	0.692	0.535	0.260	0.275	30	0.009
9.00	21.460	0.925	20.535	30	0.685	0.495	0.260	0.235	30	0.008
9.30	21.130	0.925	20.205	30	0.674	0.485	0.260	0.225	30	0.008
10.00	21.550	0.925	20.625	30	0.688	0.495	0.260	0.235	30	0.008
10.30	21.430	0.925	20.505	30	0.684	0.570	0.260	0.310	30	0.010
11.00	20.845	0.925	19.920	30	0.664	0.645	0.260	0.385	30	0.013
11.30	21.305	0.925	20.380	30	0.679	0.785	0.260	0.525	30	0.018
12.00	21.345	0.925	20.420	30	0.681	0.920	0.260	0.660	30	0.022
12.30	20.060	0.925	19.135	30	0.638	1.020	0.260	0.760	30	0.025
13.00	21.570	0.925	20.645	30	0.688	1.140	0.260	0.880	30	0.029
13.30	21.290	0.925	20.365	30	0.679	1.265	0.260	1.005	30	0.034
14.00	20.990	0.925	20.065	30	0.669	1.285	0.260	1.025	30	0.034
14.30	21.105	0.925	20.180	30	0.673	1.380	0.260	1.120	30	0.037
15.00	20.590	0.925	19.665	30	0.656	1.445	0.260	1.185	30	0.040

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	20.620	0.925	19.695	30	0.657	1.645	0.260	1.385	30	0.046
16.00	20.890	0.925	19.965	30	0.666	1.770	0.260	1.510	30	0.050
16.30	21.220	0.925	20.295	30	0.677	1.825	0.260	1.565	30	0.052
17.00	20.830	0.925	19.905	30	0.664	1.895	0.260	1.635	30	0.055
17.30	20.295	0.925	19.370	30	0.646	1.955	0.260	1.695	30	0.057
18.00	21.280	0.925	20.355	30	0.679	2.035	0.260	1.775	30	0.059
18.30	20.260	0.925	19.335	30	0.645	2.015	0.260	1.755	30	0.059
19.00	20.855	0.925	19.930	30	0.664	2.180	0.260	1.920	30	0.064
19.30	20.765	0.925	19.840	30	0.661	2.200	0.260	1.940	30	0.065
20.00	21.030	0.925	20.105	30	0.670	2.240	0.260	1.980	30	0.066
20.30	20.575	0.925	19.650	30	0.655	2.250	0.260	1.990	30	0.066
21.00	20.085	0.925	19.160	30	0.639	2.380	0.260	2.120	30	0.071
21.30	20.905	0.925	19.980	30	0.666	2.290	0.260	2.030	30	0.068
22.00	20.365	0.925	19.440	30	0.648	2.490	0.260	2.230	30	0.074
22.30	20.810	0.925	19.885	30	0.663	2.505	0.260	2.245	30	0.075
23.00	22.035	0.925	21.110	30	0.704	2.365	0.260	2.105	30	0.070
23.30	19.340	0.925	18.415	30	0.614	2.550	0.260	2.290	30	0.076
24.00	20.365	0.925	19.440	30	0.648	2.510	0.260	2.250	30	0.075
24.30	20.095	0.925	19.170	30	0.639	2.615	0.260	2.355	30	0.079
25.00	20.900	0.925	19.975	30	0.666	2.655	0.260	2.395	30	0.080
25.30	21.465	0.925	20.540	30	0.685	2.805	0.260	2.545	32	0.080
26.00	20.170	0.925	19.245	30	0.642	2.585	0.260	2.325	28	0.083

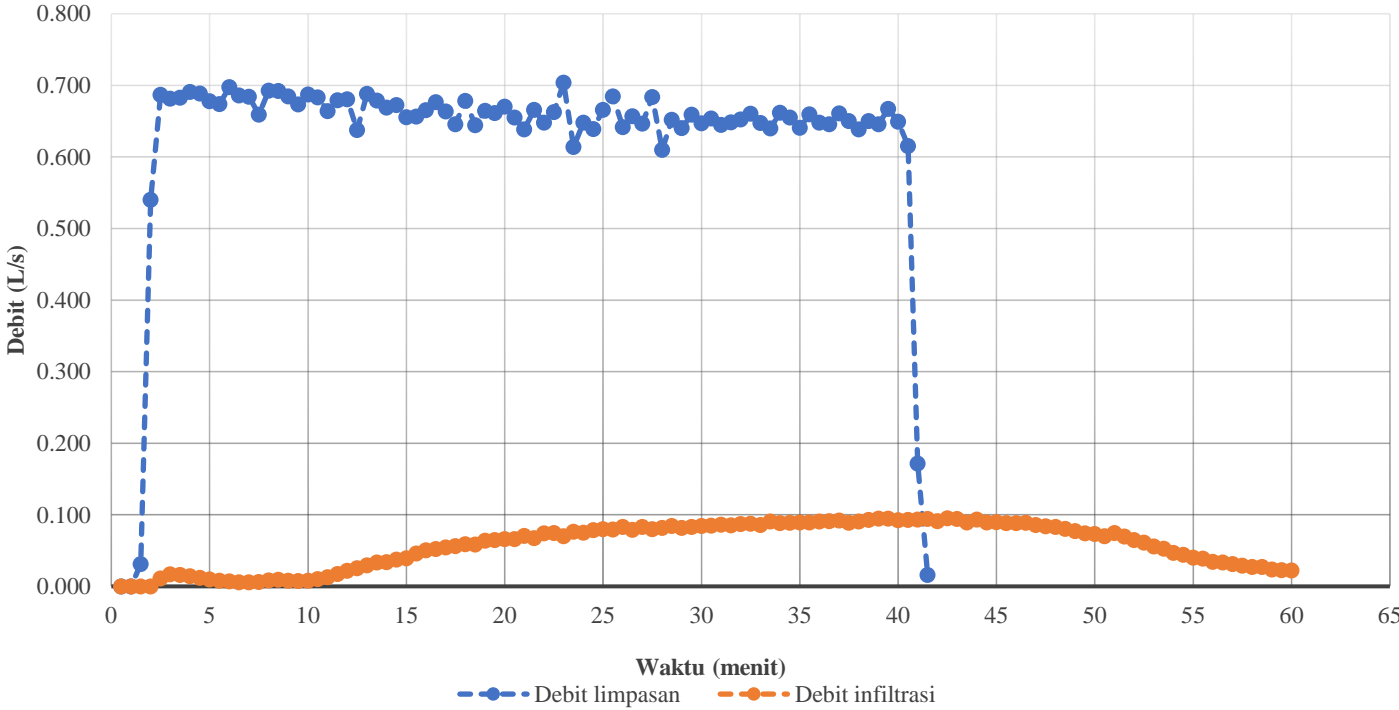
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	20.635	0.925	19.710	30	0.657	2.640	0.260	2.380	30	0.079
27.00	20.325	0.925	19.400	30	0.647	2.755	0.260	2.495	30	0.083
27.30	23.485	0.925	22.560	33	0.684	2.660	0.260	2.400	30	0.080
28.00	17.390	0.925	16.465	27	0.610	2.720	0.260	2.460	30	0.082
28.30	20.490	0.925	19.565	30	0.652	2.795	0.260	2.535	30	0.085
29.00	20.140	0.925	19.215	30	0.641	2.710	0.260	2.450	30	0.082
29.30	20.705	0.925	19.780	30	0.659	2.755	0.260	2.495	30	0.083
30.00	20.340	0.925	19.415	30	0.647	2.790	0.260	2.530	30	0.084
30.30	20.535	0.925	19.610	30	0.654	2.815	0.260	2.555	30	0.085
31.00	20.265	0.925	19.340	30	0.645	2.850	0.260	2.590	30	0.086
31.30	20.380	0.925	19.455	30	0.649	2.825	0.260	2.565	30	0.086
32.00	20.495	0.925	19.570	30	0.652	2.875	0.260	2.615	30	0.087
32.30	20.735	0.925	19.810	30	0.660	2.895	0.260	2.635	30	0.088
33.00	20.345	0.925	19.420	30	0.647	2.830	0.260	2.570	30	0.086
33.30	20.120	0.925	19.195	30	0.640	2.980	0.260	2.720	30	0.091
34.00	20.775	0.925	19.850	30	0.662	2.915	0.260	2.655	30	0.089
34.30	20.575	0.925	19.650	30	0.655	2.930	0.260	2.670	30	0.089
35.00	20.155	0.925	19.230	30	0.641	2.940	0.260	2.680	30	0.089
35.30	20.710	0.925	19.785	30	0.660	2.940	0.260	2.680	30	0.089
36.00	20.360	0.925	19.435	30	0.648	2.980	0.260	2.720	30	0.091
36.30	20.295	0.925	19.370	30	0.646	2.995	0.260	2.735	30	0.091
37.00	20.750	0.925	19.825	30	0.661	3.025	0.260	2.765	30	0.092

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30	20.425	0.925	19.500	30	0.650	2.935	0.260	2.675	30	0.089
38.00	20.085	0.925	19.160	30	0.639	2.985	0.260	2.725	30	0.091
38.30	20.430	0.925	19.505	30	0.650	3.045	0.260	2.785	30	0.093
39.00	20.300	0.925	19.375	30	0.646	3.105	0.260	2.845	30	0.095
39.30	20.945	0.925	20.020	30	0.667	3.100	0.260	2.840	30	0.095
40.00	20.400	0.925	19.475	30	0.649	3.035	0.260	2.775	30	0.093
40.30	19.390	0.925	18.465	30	0.616	3.055	0.260	2.795	30	0.093
41.00	6.080	0.925	5.155	30	0.172	3.060	0.260	2.800	30	0.093
41.30	1.405	0.925	0.480	30	0.016	3.085	0.260	2.825	30	0.094
42.00						2.990	0.260	2.730	30	0.091
42.30						3.115	0.260	2.855	30	0.095
43.00						3.095	0.260	2.835	30	0.095
43.30						2.945	0.260	2.685	30	0.090
44.00						3.060	0.260	2.800	30	0.093
44.30						2.940	0.260	2.680	30	0.089
45.00						2.960	0.260	2.700	30	0.090
45.30						2.910	0.260	2.650	30	0.088
46.00						2.915	0.260	2.655	30	0.089
46.30						2.935	0.260	2.675	30	0.089
47.00						2.840	0.260	2.580	30	0.086
47.30						2.775	0.260	2.515	30	0.084
48.00						2.750	0.260	2.490	30	0.083

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						2.670	0.260	2.410	30	0.080
49.00						2.585	0.260	2.325	30	0.078
49.30						2.480	0.260	2.220	30	0.074
50.00						2.460	0.260	2.200	30	0.073
50.30						2.370	0.260	2.110	30	0.070
51.00						2.495	0.260	2.235	30	0.075
51.30						2.350	0.260	2.090	30	0.070
52.00						2.210	0.260	1.950	30	0.065
52.30						2.095	0.260	1.835	30	0.061
53.00						1.930	0.260	1.670	30	0.056
53.30						1.840	0.260	1.580	30	0.053
54.00						1.665	0.260	1.405	30	0.047
54.30						1.585	0.260	1.325	30	0.044
55.00						1.470	0.260	1.210	30	0.040
55.30						1.420	0.260	1.160	30	0.039
56.00						1.295	0.260	1.035	30	0.035
56.30						1.270	0.260	1.010	30	0.034
57.00						1.205	0.260	0.945	30	0.032
57.30						1.135	0.260	0.875	30	0.029
58.00						1.080	0.260	0.820	30	0.027
58.30						1.075	0.260	0.815	30	0.027
59.00						0.975	0.260	0.715	30	0.024

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.950	0.260	0.690	30	0.023
60.00						0.930	0.260	0.670	30	0.022

Debit *Outflow*



Hasil Pengujian Variasi K-3 Uji ke-1

Tanggal : Minggu, 24 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	3.415	3.745	3.63
Volume air (L), V	3.415	3.745	3.63
Waktu (s), t	3.17	3.46	3.22
Debit ukur (L/s), $Q=V/t$	1.077	1.082	1.127
Debit rata-rata (L/s)	1.096		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_a	W_w	$V=Wt-W_w$	t	$Q=V/t$	W_a	W_w	$V=Wt-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	1.325	0.925	0.400	30	0.013	0.000	0.000	0.000	30	0.000
2.00	16.605	0.925	15.680	30	0.523	0.000	0.000	0.000	30	0.000
2.30	21.485	0.925	20.560	30	0.685	0.585	0.260	0.325	30	0.011
3.00	22.160	0.925	21.235	30	0.708	0.770	0.260	0.510	30	0.017
3.30	21.970	0.925	21.045	30	0.702	0.745	0.260	0.485	30	0.016
4.00	21.860	0.925	20.935	30	0.698	0.790	0.260	0.530	30	0.018

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	21.650	0.925	20.725	30	0.691	0.560	0.260	0.300	30	0.010
5.00	22.010	0.925	21.085	30	0.703	0.520	0.260	0.260	30	0.009
5.30	21.855	0.925	20.930	30	0.698	0.520	0.260	0.260	30	0.009
6.00	21.820	0.925	20.895	30	0.697	0.550	0.260	0.290	30	0.010
6.30	21.900	0.925	20.975	30	0.699	0.565	0.260	0.305	30	0.010
7.00	22.000	0.925	21.075	30	0.703	0.570	0.260	0.310	30	0.010
7.30	22.140	0.925	21.215	30	0.707	0.545	0.260	0.285	30	0.010
8.00	21.290	0.925	20.365	30	0.679	0.520	0.260	0.260	30	0.009
8.30	21.640	0.925	20.715	30	0.691	0.520	0.260	0.260	30	0.009
9.00	21.850	0.925	20.925	30	0.698	0.570	0.260	0.310	30	0.010
9.30	21.685	0.925	20.760	30	0.692	0.680	0.260	0.420	30	0.014
10.00	21.635	0.925	20.710	30	0.690	0.855	0.260	0.595	30	0.020
10.30	21.180	0.925	20.255	30	0.675	1.000	0.260	0.740	30	0.025
11.00	21.770	0.925	20.845	30	0.695	1.110	0.260	0.850	30	0.028
11.30	21.535	0.925	20.610	30	0.687	1.235	0.260	0.975	30	0.033
12.00	21.165	0.925	20.240	30	0.675	1.305	0.260	1.045	30	0.035
12.30	21.605	0.925	20.680	30	0.689	1.480	0.260	1.220	30	0.041
13.00	21.090	0.925	20.165	30	0.672	1.485	0.260	1.225	30	0.041
13.30	21.570	0.925	20.645	30	0.688	1.645	0.260	1.385	30	0.046
14.00	21.490	0.925	20.565	30	0.686	1.705	0.260	1.445	30	0.048
14.30	21.095	0.925	20.170	30	0.672	1.755	0.260	1.495	30	0.050
15.00	20.690	0.925	19.765	30	0.659	1.790	0.260	1.530	30	0.051

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	21.595	0.925	20.670	30	0.689	1.835	0.260	1.575	30	0.053
16.00	21.080	0.925	20.155	30	0.672	1.865	0.260	1.605	30	0.054
16.30	21.080	0.925	20.155	30	0.672	1.910	0.260	1.650	30	0.055
17.00	21.500	0.925	20.575	30	0.686	1.985	0.260	1.725	30	0.058
17.30	20.850	0.925	19.925	30	0.664	1.980	0.260	1.720	30	0.057
18.00	21.290	0.925	20.365	30	0.679	2.030	0.260	1.770	30	0.059
18.30	20.935	0.925	20.010	30	0.667	2.060	0.260	1.800	30	0.060
19.00	20.775	0.925	19.850	30	0.662	2.095	0.260	1.835	30	0.061
19.30	20.685	0.925	19.760	30	0.659	2.120	0.260	1.860	30	0.062
20.00	21.155	0.925	20.230	30	0.674	2.165	0.260	1.905	30	0.064
20.30	20.800	0.925	19.875	30	0.663	2.215	0.260	1.955	30	0.065
21.00	20.815	0.925	19.890	30	0.663	2.155	0.260	1.895	30	0.063
21.30	20.885	0.925	19.960	30	0.665	2.215	0.260	1.955	30	0.065
22.00	20.860	0.925	19.935	30	0.665	2.245	0.260	1.985	30	0.066
22.30	20.890	0.925	19.965	30	0.666	2.255	0.260	1.995	30	0.067
23.00	20.675	0.925	19.750	30	0.658	2.255	0.260	1.995	30	0.067
23.30	20.825	0.925	19.900	30	0.663	2.315	0.260	2.055	30	0.069
24.00	21.020	0.925	20.095	30	0.670	2.320	0.260	2.060	30	0.069
24.30	20.755	0.925	19.830	30	0.661	2.355	0.260	2.095	30	0.070
25.00	21.100	0.925	20.175	30	0.673	2.425	0.260	2.165	30	0.072
25.30	20.550	0.925	19.625	30	0.654	2.380	0.260	2.120	30	0.071
26.00	20.785	0.925	19.860	30	0.662	2.405	0.260	2.145	30	0.072

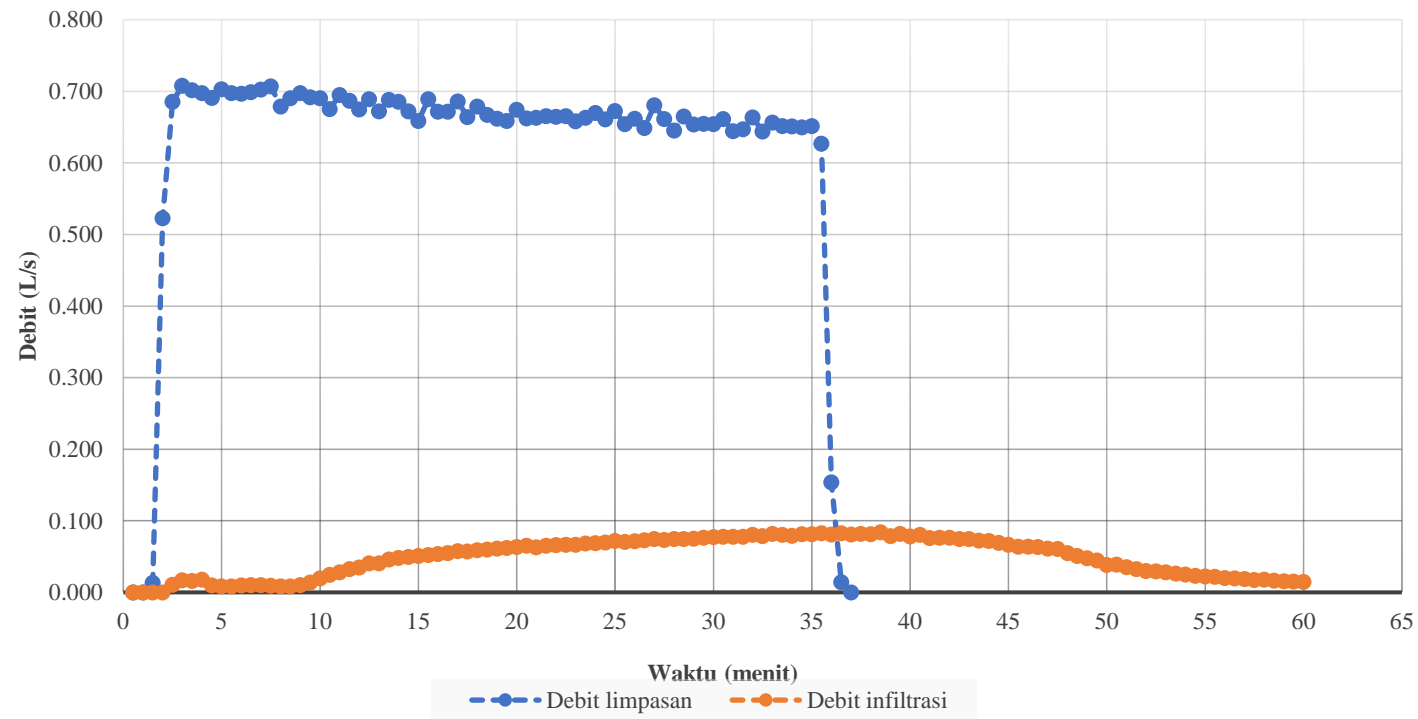
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	20.390	0.925	19.465	30	0.649	2.445	0.260	2.185	30	0.073
27.00	21.345	0.925	20.420	30	0.681	2.500	0.260	2.240	30	0.075
27.30	20.760	0.925	19.835	30	0.661	2.455	0.260	2.195	30	0.073
28.00	20.285	0.925	19.360	30	0.645	2.505	0.260	2.245	30	0.075
28.30	20.875	0.925	19.950	30	0.665	2.495	0.260	2.235	30	0.075
29.00	20.545	0.925	19.620	30	0.654	2.515	0.260	2.255	30	0.075
29.30	20.560	0.925	19.635	30	0.655	2.555	0.260	2.295	30	0.077
30.00	20.550	0.925	19.625	30	0.654	2.580	0.260	2.320	30	0.077
30.30	20.770	0.925	19.845	30	0.662	2.600	0.260	2.340	30	0.078
31.00	20.255	0.925	19.330	30	0.644	2.600	0.260	2.340	30	0.078
31.30	20.335	0.925	19.410	30	0.647	2.595	0.260	2.335	30	0.078
32.00	20.840	0.925	19.915	30	0.664	2.670	0.260	2.410	30	0.080
32.30	20.245	0.925	19.320	30	0.644	2.615	0.260	2.355	30	0.079
33.00	20.625	0.925	19.700	30	0.657	2.710	0.260	2.450	30	0.082
33.30	20.470	0.925	19.545	30	0.652	2.680	0.260	2.420	30	0.081
34.00	20.455	0.925	19.530	30	0.651	2.630	0.260	2.370	30	0.079
34.30	20.420	0.925	19.495	30	0.650	2.700	0.260	2.440	30	0.081
35.00	20.465	0.925	19.540	30	0.651	2.700	0.260	2.440	30	0.081
35.30	19.735	0.925	18.810	30	0.627	2.735	0.260	2.475	30	0.083
36.00	5.535	0.925	4.610	30	0.154	2.690	0.260	2.430	30	0.081
36.30	1.355	0.925	0.430	30	0.014	2.745	0.260	2.485	30	0.083
37.00			0.000	30	0.000	2.685	0.260	2.425	30	0.081

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30			0.000	30	0.000	2.715	0.260	2.455	30	0.082
38.00			0.000	30	0.000	2.700	0.260	2.440	30	0.081
38.30			0.000	30	0.000	2.785	0.260	2.525	30	0.084
39.00			0.000	30	0.000	2.620	0.260	2.360	30	0.079
39.30			0.000	30	0.000	2.720	0.260	2.460	30	0.082
40.00			0.000	30	0.000	2.610	0.260	2.350	30	0.078
40.30			0.000	30	0.000	2.680	0.260	2.420	30	0.081
41.00			0.000	30	0.000	2.540	0.260	2.280	30	0.076
41.30			0.000	30	0.000	2.555	0.260	2.295	30	0.077
42.00						2.550	0.260	2.290	30	0.076
42.30						2.495	0.260	2.235	30	0.075
43.00						2.570	0.260	2.310	31	0.075
43.30						2.360	0.260	2.100	29	0.072
44.00						2.425	0.260	2.165	30	0.072
44.30						2.345	0.260	2.085	30	0.070
45.00						2.260	0.260	2.000	30	0.067
45.30						2.175	0.260	1.915	30	0.064
46.00						2.175	0.260	1.915	30	0.064
46.30						2.160	0.260	1.900	30	0.063
47.00						2.100	0.260	1.840	30	0.061
47.30						2.080	0.260	1.820	30	0.061
48.00						1.915	0.260	1.655	30	0.055

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						1.785	0.260	1.525	30	0.051
49.00						1.690	0.260	1.430	30	0.048
49.30						1.605	0.260	1.345	30	0.045
50.00						1.415	0.260	1.155	30	0.039
50.30						1.420	0.260	1.160	30	0.039
51.00						1.315	0.260	1.055	30	0.035
51.30						1.240	0.260	0.980	30	0.033
52.00						1.160	0.260	0.900	30	0.030
52.30						1.145	0.260	0.885	30	0.030
53.00						1.110	0.260	0.850	30	0.028
53.30						1.045	0.260	0.785	30	0.026
54.00						1.030	0.260	0.770	31	0.025
54.30						0.930	0.260	0.670	29	0.023
55.00						0.935	0.260	0.675	30	0.023
55.30						0.915	0.260	0.655	30	0.022
56.00						0.860	0.260	0.600	30	0.020
56.30						0.845	0.260	0.585	30	0.020
57.00						0.825	0.260	0.565	30	0.019
57.30						0.780	0.260	0.520	30	0.017
58.00						0.790	0.260	0.530	30	0.018
58.30						0.760	0.260	0.500	30	0.017
59.00						0.735	0.260	0.475	30	0.016

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.720	0.260	0.460	30	0.015
60.00						0.700	0.260	0.440	30	0.015

Debit Outflow



Hasil Pengujian Variasi K-3 Uji ke-2

Tanggal : Senin, 25 November 2019

Debit Inflow			
Percobaan	1	2	3
Berat air (kg)	2.995	3.705	3.355
Volume air (L), V	2.995	3.705	3.355
Waktu (s), t	3.04	3.74	3.46
Debit ukur (L/s), $Q=V/t$	0.985	0.991	0.970
Debit rata-rata (L/s)	0.982		

Debit Outflow										
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$	W_t	W_w	$V=W_t-W_w$	t	$Q=V/t$
0.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.00	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
1.30	0.000	0.000	0.000	30	0.000	0.000	0.000	0.000	30	0.000
2.00	13.710	0.925	12.785	30	0.426	0.000	0.000	0.000	30	0.000
2.30	20.140	0.925	19.215	30	0.641	0.295	0.260	0.035	30	0.001
3.00	21.010	0.925	20.085	30	0.670	0.595	0.260	0.335	30	0.011
3.30	21.065	0.925	20.140	30	0.671	0.660	0.260	0.400	30	0.013
4.00	20.850	0.925	19.925	30	0.664	0.610	0.260	0.350	30	0.012

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
4.30	20.425	0.925	19.500	30	0.650	0.545	0.260	0.285	30	0.010
5.00	20.740	0.925	19.815	30	0.661	0.500	0.260	0.240	30	0.008
5.30	20.675	0.925	19.750	30	0.658	0.460	0.260	0.200	30	0.007
6.00	21.095	0.925	20.170	30	0.672	0.440	0.260	0.180	30	0.006
6.30	20.195	0.925	19.270	30	0.642	0.440	0.260	0.180	30	0.006
7.00	20.325	0.925	19.400	30	0.647	0.500	0.260	0.240	30	0.008
7.30	20.400	0.925	19.475	30	0.649	0.550	0.260	0.290	30	0.010
8.00	20.440	0.925	19.515	30	0.651	0.550	0.260	0.290	30	0.010
8.30	20.265	0.925	19.340	30	0.645	0.525	0.260	0.265	30	0.009
9.00	20.810	0.925	19.885	30	0.663	0.500	0.260	0.240	30	0.008
9.30	20.490	0.925	19.565	30	0.652	0.505	0.260	0.245	30	0.008
10.00	20.155	0.925	19.230	30	0.641	0.530	0.260	0.270	30	0.009
10.30	20.415	0.925	19.490	30	0.650	0.600	0.260	0.340	30	0.011
11.00	20.235	0.925	19.310	30	0.644	0.710	0.260	0.450	30	0.015
11.30	19.925	0.925	19.000	30	0.633	0.890	0.260	0.630	30	0.021
12.00	20.175	0.925	19.250	30	0.642	1.040	0.260	0.780	30	0.026
12.30	20.225	0.925	19.300	30	0.643	1.130	0.260	0.870	30	0.029
13.00	20.120	0.925	19.195	30	0.640	1.225	0.260	0.965	30	0.032
13.30	19.705	0.925	18.780	30	0.626	1.300	0.260	1.040	30	0.035
14.00	20.390	0.925	19.465	30	0.649	1.370	0.260	1.110	30	0.037
14.30	20.315	0.925	19.390	30	0.646	1.485	0.260	1.225	30	0.041
15.00	20.065	0.925	19.140	30	0.638	1.525	0.260	1.265	30	0.042

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
15.30	19.750	0.925	18.825	30	0.628	1.620	0.260	1.360	30	0.045
16.00	18.975	0.925	18.050	30	0.602	1.640	0.260	1.380	30	0.046
16.30	21.120	0.925	20.195	30	0.673	1.910	0.260	1.650	32	0.052
17.00	19.260	0.925	18.335	30	0.611	1.690	0.260	1.430	28	0.051
17.30	19.640	0.925	18.715	30	0.624	1.910	0.260	1.650	30	0.055
18.00	19.600	0.925	18.675	30	0.623	1.910	0.260	1.650	30	0.055
18.30	20.920	0.925	19.995	30	0.667	2.015	0.260	1.755	31	0.057
19.00	18.680	0.925	17.755	30	0.592	1.920	0.260	1.660	29	0.057
19.30	20.105	0.925	19.180	30	0.639	2.055	0.260	1.795	30	0.060
20.00	20.800	0.925	19.875	30	0.663	2.020	0.260	1.760	30	0.059
20.30	18.735	0.925	17.810	30	0.594	2.060	0.260	1.800	30	0.060
21.00	19.845	0.925	18.920	30	0.631	2.060	0.260	1.800	30	0.060
21.30	19.610	0.925	18.685	30	0.623	2.085	0.260	1.825	30	0.061
22.00	19.520	0.925	18.595	30	0.620	2.120	0.260	1.860	30	0.062
22.30	20.775	0.925	19.850	30	0.662	2.165	0.260	1.905	30	0.064
23.00	18.545	0.925	17.620	30	0.587	2.215	0.260	1.955	30	0.065
23.30	19.400	0.925	18.475	30	0.616	2.175	0.260	1.915	30	0.064
24.00	19.690	0.925	18.765	30	0.626	2.265	0.260	2.005	30	0.067
24.30	19.705	0.925	18.780	30	0.626	2.300	0.260	2.040	30	0.068
25.00	19.405	0.925	18.480	30	0.616	2.200	0.260	1.940	30	0.065
25.30	19.430	0.925	18.505	30	0.617	2.305	0.260	2.045	30	0.068
26.00	19.400	0.925	18.475	30	0.616	2.285	0.260	2.025	30	0.068

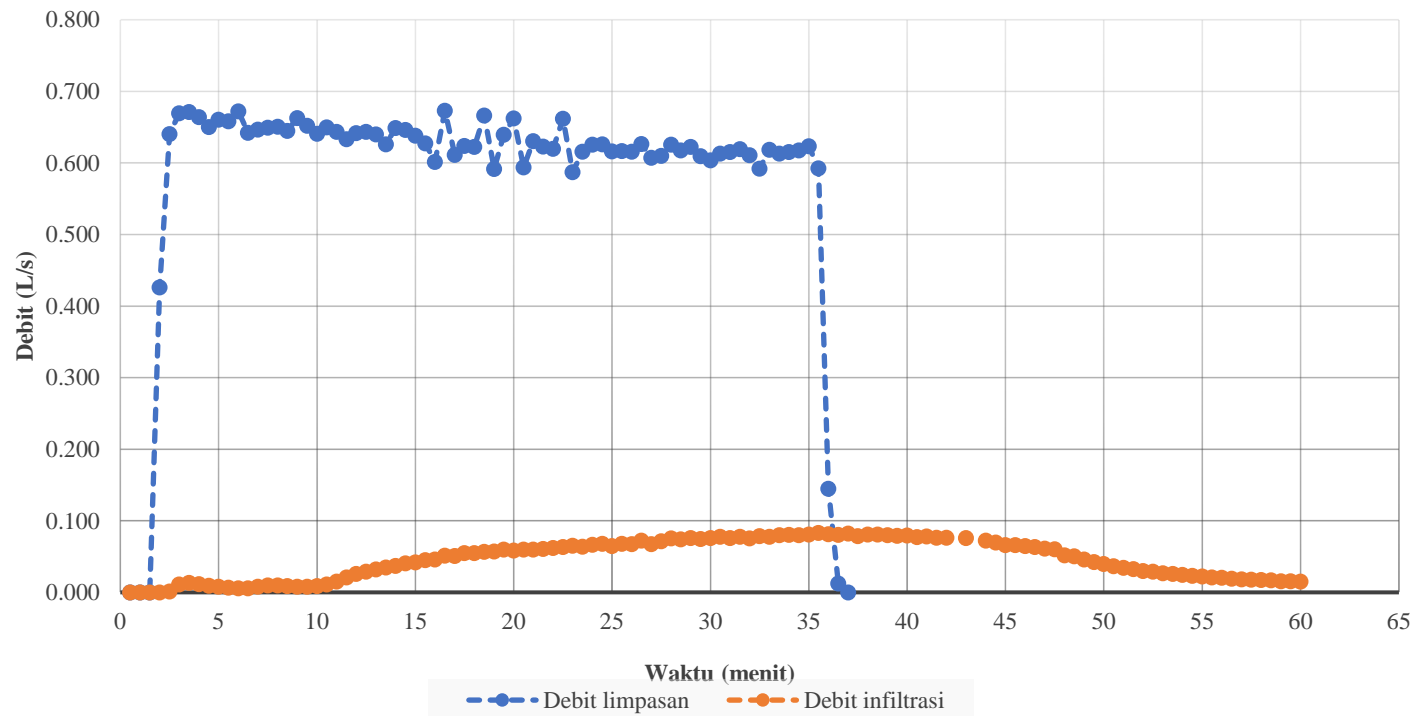
Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
26.30	19.720	0.925	18.795	30	0.627	2.435	0.260	2.175	30	0.073
27.00	19.145	0.925	18.220	30	0.607	2.280	0.260	2.020	30	0.067
27.30	19.220	0.925	18.295	30	0.610	2.400	0.260	2.140	30	0.071
28.00	19.695	0.925	18.770	30	0.626	2.525	0.260	2.265	30	0.076
28.30	19.455	0.925	18.530	30	0.618	2.485	0.260	2.225	30	0.074
29.00	19.605	0.925	18.680	30	0.623	2.545	0.260	2.285	30	0.076
29.30	19.215	0.925	18.290	30	0.610	2.505	0.260	2.245	30	0.075
30.00	19.040	0.925	18.115	30	0.604	2.535	0.260	2.275	30	0.076
30.30	19.315	0.925	18.390	30	0.613	2.595	0.260	2.335	30	0.078
31.00	19.385	0.925	18.460	30	0.615	2.540	0.260	2.280	30	0.076
31.30	19.505	0.925	18.580	30	0.619	2.600	0.260	2.340	30	0.078
32.00	19.245	0.925	18.320	30	0.611	2.530	0.260	2.270	30	0.076
32.30	18.690	0.925	17.765	30	0.592	2.620	0.260	2.360	30	0.079
33.00	19.485	0.925	18.560	30	0.619	2.590	0.260	2.330	30	0.078
33.30	19.320	0.925	18.395	30	0.613	2.655	0.260	2.395	30	0.080
34.00	19.385	0.925	18.460	30	0.615	2.670	0.260	2.410	30	0.080
34.30	19.455	0.925	18.530	30	0.618	2.655	0.260	2.395	30	0.080
35.00	19.620	0.925	18.695	30	0.623	2.685	0.260	2.425	30	0.081
35.30	18.695	0.925	17.770	30	0.592	2.750	0.260	2.490	30	0.083
36.00	5.265	0.925	4.340	30	0.145	2.705	0.260	2.445	30	0.082
36.30	1.300	0.925	0.375	30	0.013	2.680	0.260	2.420	30	0.081
37.00			0.000	30	0.000	2.730	0.260	2.470	30	0.082

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
37.30			0.000	30	0.000	2.620	0.260	2.360	30	0.079
38.00			0.000	30	0.000	2.690	0.260	2.430	30	0.081
38.30			0.000	30	0.000	2.685	0.260	2.425	30	0.081
39.00			0.000	30	0.000	2.665	0.260	2.405	30	0.080
39.30			0.000	30	0.000	2.635	0.260	2.375	30	0.079
40.00			0.000	30	0.000	2.650	0.260	2.390	30	0.080
40.30			0.000	30	0.000	2.585	0.260	2.325	30	0.078
41.00			0.000	30	0.000	2.605	0.260	2.345	30	0.078
41.30			0.000	30	0.000	2.560	0.260	2.300	30	0.077
42.00						2.560	0.260	2.300	30	0.077
42.30								0.000	30	
43.00						4.820	0.260	4.560	60	0.076
43.30								0.000	30	
44.00						4.595	0.260	4.335	60	0.072
44.30						2.350	0.260	2.090	30	0.070
45.00						2.240	0.260	1.980	30	0.066
45.30						2.245	0.260	1.985	30	0.066
46.00						2.210	0.260	1.950	30	0.065
46.30						2.170	0.260	1.910	30	0.064
47.00						2.095	0.260	1.835	30	0.061
47.30						2.070	0.260	1.810	30	0.060
48.00						1.810	0.260	1.550	30	0.052

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
48.30						1.770	0.260	1.510	30	0.050
49.00						1.635	0.260	1.375	30	0.046
49.30						1.540	0.260	1.280	30	0.043
50.00						1.460	0.260	1.200	30	0.040
50.30						1.365	0.260	1.105	30	0.037
51.00						1.295	0.260	1.035	30	0.035
51.30						1.240	0.260	0.980	30	0.033
52.00						1.160	0.260	0.900	30	0.030
52.30						1.125	0.260	0.865	30	0.029
53.00						1.065	0.260	0.805	30	0.027
53.30						1.035	0.260	0.775	30	0.026
54.00						0.995	0.260	0.735	30	0.025
54.30						0.955	0.260	0.695	30	0.023
55.00						0.935	0.260	0.675	30	0.023
55.30						0.895	0.260	0.635	30	0.021
56.00						0.875	0.260	0.615	30	0.021
56.30						0.835	0.260	0.575	30	0.019
57.00						0.815	0.260	0.555	30	0.019
57.30						0.795	0.260	0.535	30	0.018
58.00						0.780	0.260	0.520	30	0.017
58.30						0.765	0.260	0.505	30	0.017
59.00						0.725	0.260	0.465	30	0.016

Waktu (menit)	Debit Limpasan					Debit Infiltrasi				
	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)	Berat air+wadah (kg)	Berat Wadah (kg)	Volume air (L)	Waktu (detik)	Debit ukur (L/s)
59.30						0.725	0.260	0.465	30	0.016
60.00						0.720	0.260	0.460	30	0.015

Debit Outflow



Lampiran 2. Hasil pengujian berat jenis tanah

Tanggal, 15 Oktober 2019

Kalibrasi Piknometer

No.	Uraian	Satuan	PG I	PG II
1	Berat piknometer kosong (Wp)	g	31.58	31.98
2	Berat piknometer + air (Wpw,c)	g	81.85	79.79
3	Temperatur dalam piknometer (T)	°C	30.5	30.5
4	Berat volume air (γ_w,c)		0.9955	0.9955
5	Volume piknometer, Vp	mL	50.50	48.03

Perhitungan Berat Jenis

No.	Uraian	Satuan	PG I	PG II
1	Berat piknometer kosong (Wp)	g	31.52	32
2	Berat piknometer + tanah kering (Wps)	g	41.52	42
3	Berat piknometer + tanah + air (Wpws,t)	g	87.96	85.93
4	Temperatur (T)	°C	30.2	30.5
5	Berat volume air (ρ_w,t)		0.99559	0.9955
6	Berat piknometer + air (Wpw,t)	g	81.79	79.81
7	Berat Jenis, Gs,t		2.61	2.58
8	Rata-rata berat jenis		2.59	
9	Berat jenis pada T = 20oC, Gs		2.61	2.58
10	Berat jenis rata rata, Gs		2.59	

Tanggal, 4 Desember 2019

Kalibrasi Piknometer

No.	Uraian	Satuan	PG I	PG II	TA3	TA1	17
1	Berat piknometer kosong (W_p)	g	31.58	31.98	28.46	30.63	32.4
2	Berat piknometer + air ($W_{pw,c}$)	g	81.85	79.79	78.91	81.28	82.77
3	Temperatur dalam piknometer (T)	°C	30.5	30.5	30.5	30.5	30.5
4	Berat volume air ($\gamma_{w,c}$)		0.9955	0.9955	0.9955	0.9955	0.9955
5	Volume piknometer, V_p	mL	50.50	48.03	50.68	50.88	50.60

Perhitungan Berat Jenis

No.	Uraian	Satuan	PG I	PG II	TA3	TA1	17	
1	Berat piknometer kosong (W_p)	g	31.52	32	28.4	30.51	32.4	
2	Berat piknometer + tanah kering (W_{ps})	g	41.52	42	38.4	40.51	42.4	
3	Berat piknometer + tanah + air ($W_{pws,t}$)	g	87.96	85.93	85.12	87.41	88.93	
4	Temperatur (T)	°C	30.2	30.5	30.2	30.5	30.2	
5	Berat volume air ($\rho_{w,t}$)		0.99559	0.9955	0.99559	0.9955	0.99559	
6	Berat piknometer + air ($W_{pw,t}$)	g	81.79	79.81	78.85	81.16	82.77	
7	Berat Jenis, $G_{s,t}$		2.61	2.58	2.68	2.67	2.60	
8	Rata-rata berat jenis		2.63					
9	Berat jenis pada $T = 20^{\circ}\text{C}$, G_s		2.61	2.58	2.68	2.67	2.60	
10	Berat jenis rata rata, G_s		2.63					

Lampiran 3. Hasil pengujian ukuran butir tanah

Hasil Analisis Pengendapan

Jenis Hidrometer	: 2	Berat Jenis Gs	: 2.61
Kalibrasi Meniscus, m	: 1	Berat Contoh Tanah Total, W	: 55.00 g
Kalibrasi Hidrometer 154 H a	: 1.008	A	: 29.75
Jenis reagent	: 125	L2	: 12.2

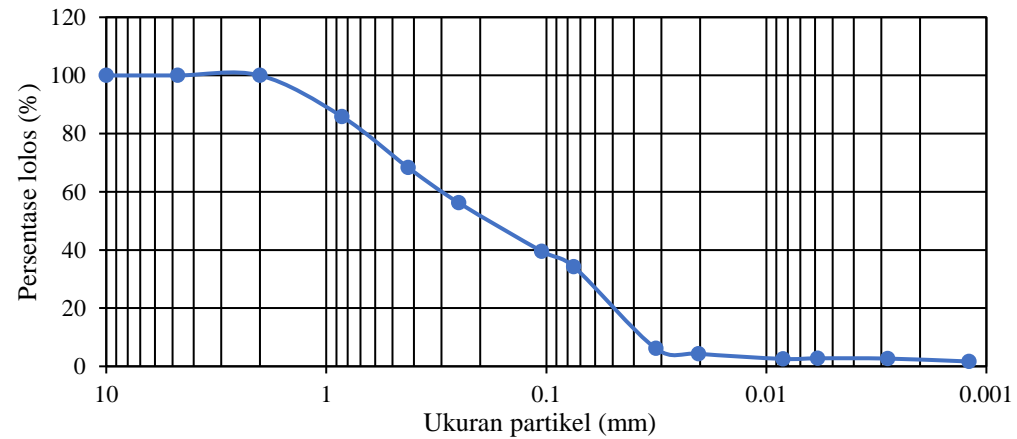
Tanggal	Jam	Waktu Pebacaan t (menit)	Pembacaan Skala Hidrometer		Temperatur T (°C)	Skala Hidrometer Terkalibrasi Meniskus R'=R1+m	Kedalaman L (cm)*	Konstanta K**)	Diameter Butiran D (mm)	Skala Hidrometer Terkalibrasi R=R'-R2+CT
			Larutan Tanah (R1)	Larutan Reagen (R2)						
25 okt	11.42	2	8	1	26.4	9.008	12.31	0.013	0.032	9.798
25 okt	11.45	5	5	1	26.7	6.008	12.72	0.013	0.020	6.903
25 okt	12.10	30	2	1	27.1	3.008	13.12	0.013	0.008	4.058
25 okt	12.40	60	1	1	28.9	2.008	13.25	0.012	0.006	4.408
25 okt	15.50	250	0	1	31.5	1.008	13.39	0.012	0.003	4.258
26 okt	11.40	1440	-1	1	29.5	0.008	13.52	0.012	0.001	2.658

Persen Berat P***)	Adjust Percent, PA (%)	FAKTOR KOREKSI CT	L1
17.957	6.148	1.790	7.223
12.651	4.331	1.895	7.625
7.437	2.546	2.050	8.027
8.079	2.766	3.400	8.161
7.804	2.672	4.250	8.295
4.871	1.668	3.650	8.429

Setelah Pengendapan

Hasil Analisis Saringan

Nomor Saringan ASTM	Ukuran Butir (mm)	Berat Tertahan (g)	Persen Berat Tertahan (%)	Persen Lolos Saringan (%)
#4	4,74	0	0.00	100.00
No. 10	2,000	0	0.00	100.00
No. 20	0,850	7.76	14.11	85.89
No. 40	0,425	9.65	17.55	68.35
No. 60	0,250	6.67	12.13	56.22
No. 140	0,105	9.16	16.65	39.56
N0. 200	0,075	2.93	5.33	34.24
Wadah (pan)	< 0,075	18.83	34.24	0.00
Berat butiran < 0,075 mm, (B2)		18.83		
Jumlah berat tanah tertahan (W)		55		



Lampiran 4. Hasil pengujian kepadatan tanah

Keterangan : T-1

Tanggal : 28 Oktober 2019

Kedalaman : >10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut, W1	719.5	g
	Berat botol+kerucut+air, W2	5500	g
	Volume Botol	4780.5	cm ³
Pasir	Berat botol+pasir penuh, W3	5603.5	g
	Berat pasir, $W_p=W3-W1$	4884	g
	Berat volume pasir	10.02	kN/m ³
Kerucut	Berat botol+pasir secukupnya, W4	5603.5	g
	Berat botol+sisa pasir, W5	4535.5	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1068	g

Data Pengujian Lapangan	Barat botol+pasir, W6	4535.5	g
	Barat botol+sisa pasir, W7	1357.5	g
	Berat wadah tanah, W8	123.5	g
	Berat wadah tanah+tanah, W9	2547.5	g
	Berat tanah, $W_s=W9-W8$	2424	g

Pengujian Kadar Air

S3	Berat cawan	9.15	g
	Berat cawan+tanah basah	43.71	g
	Berat cawan+tanah kering	36.89	g
	Kadar air, w	24.59	%
A9	Berat cawan	9.34	g
	Berat cawan+tanah basah	48.62	g
	Berat cawan+tanah kering	40.8	g
	Kadar air, w	24.86	%
Kadar air rata-rata, w		24.72	%

Kepadatan Tanah Lapangan	9.23	kN/m ³
---------------------------------	------	-------------------

Keterangan : T-2
 Tanggal : Rabu, 30 Oktober 2019
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut, W1	718.5	g
	Berat botol+kerucut+air, W2	5491	g
	Volume Botol	4772.5	cm ³
Pasir	Berat botol+pasir penuh, W3	6110.5	g
	Berat pasir, $W_p = W_3 - W_1$	5392	g
	Berat volume pasir	11.08	kN/m ³
Kerucut	Berat botol+pasir secukupnya, W4	6110.5	g
	Berat botol+sisa pasir, W5	5046	g
	Berat pasir pengii kerucut, $W_{pc} = W_4 - W_5$	1064.5	g

Data Pengujian Lapangan	Berat botol+pasir, W6	5046	g
	Berat botol+sisa pasir, W7	1738.5	g
	Berat wadah tanah, W8	124.5	g
	Berat wadah tanah+tanah, W9	2935	g
	Berat tanah, $W_s = W_9 - W_8$	2810.5	g

Pengujian Kadar Air

S3	Berat cawan	9.35	g
	Berat cawan+tanah basah	33.6	g
	Berat cawan+tanah kering	26.98	g
	Kadar air, w	37.55	%
A9	Berat cawan	9.17	g
	Berat cawan+tanah basah	34.82	g
	Berat cawan+tanah kering	27.82	g
	Kadar air, w	37.53	%
Kadar air rata-rata, w		37.54	%

Kepadatan Tanah Lapangan	10.10	kN/m ³
---------------------------------	-------	-------------------

Keterangan : P-1
 Tanggal : 2-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut, W1	706.5	g
	Berat botol+kerucut+air, W2	5506.5	g
	Volume Botol	4800	cm ³
Pasir	Berat botol+pasir penuh, W3	6211	g
	Berat pasir, $W_p=W3-W1$	5504.5	g
	Berat volume pasir	11.25	kN/m ³
Kerucut	Berat botol+pasir secukupnya, W4	6211	g
	Berat botol+sisa pasir, W5	5151.5	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1059.5	g

Data Pengujian Lapangan	Barat botol+pasir, W6	5151.5	g
	Barat botol+sisa pasir, W7	2410	g
	Berat wadah tanah, W8	124	g
	Berat wadah tanah+tanah, W9	2445	g
	Berat tanah, $W_s=W9-W8$	2321	g

Pengujian Kadar Air

S3	Berat cawan	9.36	g
	Berat cawan+tanah basah	37.49	g
	Berat cawan+tanah kering	29.7	g
	Kadar air, w	38.30	%
A9	Berat cawan	10.21	g
	Berat cawan+tanah basah	34.58	g
	Berat cawan+tanah kering	27.86	g
	Kadar air, w	38.07	%
Kadar air rata-rata, w		38.19	%

Kepadatan Tanah Lapangan	11.23	kN/m ³
---------------------------------	-------	-------------------

Keterangan : P-3
 Tanggal : 3-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut,W1	720.5	g
	Berat botol+kerucut+air,W2	5510.5	g
	Volume Botol	4790	cm ³
Pasir	Berat botol+pasir penuh,W3	6162.5	g
	Berat pasir, $W_p=W3-W1$	5442	g
	Berat volume pasir	11.15	kN/m ³
Kerucut	Berat botol+pasir secukupnya,W4	6162.5	g
	Berat botol+sisa pasir, W5	5107	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1055.5	g

Data Pengujian Lapangan	Barat botol+pasir, W6	5107	g
	Barat botol+sisa pasir, W7	2106.5	g
	Barat wadah tanah, W8	125	g
	Barat wadah tanah+tanah, W9	2502.5	g
	Barat tanah, $W_s=W9-W8$	2377.5	g

Pengujian Kadar Air

S3	Berat cawan	9.16	g
	Berat cawan+tanah basah	40.97	g
	Berat cawan+tanah kering	32.11	g
	Kadar air, w	38.61	%
A9	Berat cawan	9.21	g
	Berat cawan+tanah basah	49.44	g
	Berat cawan+tanah kering	38.1	g
	Kadar air, w	39.25	%
Kadar air rata-rata, w		38.93	%

Kepadatan Tanah Lapangan	9.81	kN/m³
---------------------------------	-------------	-------------------------

Keterangan : P-4
 Tanggal : 4-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut,W1	722	g
	Berat botol+kerucut+air,W2	5482	g
	Volume Botol	4760	cm ³
Pasir	Berat botol+pasir penuh,W3	6146	g
	Berat pasir, $W_p=W3-W1$	5424	g
	Berat volume pasir	11.18	kN/m ³
Kerucut	Berat botol+pasir secukupnya,W4	6146	g
	Berat botol+sisa pasir, W5	5098.5	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1047.5	g

Data Pengujian Lapangan	Berat botol+pasir, W6	5098.5	g
	Berat botol+sisa pasir, W7	1994.5	g
	Berat wadah tanah, W8	125	g
	Berat wadah tanah+tanah, W9	2637	g
	Berat tanah, $W_s=W9-W8$	2512	g

Pengujian Kadar Air

S3	Berat cawan	9.21	g
	Berat cawan+tanah basah	38.08	g
	Berat cawan+tanah kering	30.05	g
	Kadar air, w	38.53	%
A9	Berat cawan	10.21	g
	Berat cawan+tanah basah	34.86	g
	Berat cawan+tanah kering	27.86	g
	Kadar air, w	39.66	%
Kadar air rata-rata, w		39.10	%

Kepadatan Tanah Lapangan	9.82	kN/m ³
---------------------------------	------	-------------------

Keterangan : P-2
 Tanggal 5-Nov-19
 Kedalaman 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut,W1	720.5	g
	Berat botol+kerucut+air,W2	5502.5	g
	Volume Botol	4782	cm ³
Pasir	Berat botol+pasir penuh,W3	6190.5	g
	Berat pasir, $W_p=W3-W1$	5470	g
	Berat volume pasir	11.22	kN/m ³
Kerucut	Berat botol+pasir secukupnya,W4	6190.5	g
	Berat botol+sisa pasir, W5	5134	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1056.5	g

Data Pengujian Lapangan	Barat botol+pasir, W6	5134	g
	Barat botol+sisa pasir, W7	2221.5	g
	Barat wadah tanah, W8	125	g
	Barat wadah tanah+tanah, W9	2673.5	g
	Barat tanah, $W_s=W9-W8$	2548.5	g

Pengujian Kadar Air

S3	Berat cawan	9.26	g
	Berat cawan+tanah basah	39.9	g
	Berat cawan+tanah kering	30.05	g
	Kadar air, w	47.38	%
A9	Berat cawan	9.07	g
	Berat cawan+tanah basah	49.56	g
	Berat cawan+tanah kering	39	g
	Kadar air, w	35.28	%
Kadar air rata-rata, w		41.33	%

Kepadatan Tanah Lapangan	10.90	kN/m ³
---------------------------------	-------	-------------------

Keterangan : P-5
 Tanggal : 7-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut,W1	719	g
	Berat botol+kerucut+air,W2	5490.5	g
	Volume Botol	4771.5	cm ³
Pasir	Berat botol+pasir penuh,W3	6160.5	g
	Berat pasir, $W_p=W3-W1$	5441.5	g
	Berat volume pasir	11.19	kN/m ³
Kerucut	Berat botol+pasir secukupnya,W4	6160.5	g
	Berat botol+sisa pasir, W5	5105	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1055.5	g

Data Pengujian Lapangan	Barat botol+pasir, W6	5105	g
	Barat botol+sisa pasir, W7	2203.5	g
	Berat wadah tanah, W8	125	g
	Berat wadah tanah+tanah, W9	2366.5	g
	Berat tanah, $W_s=W9-W8$	2241.5	g

Pengujian Kadar Air

W6	Berat cawan	10.2	g
	Berat cawan+tanah basah	39.5	g
	Berat cawan+tanah kering	31.61	g
	Kadar air, w	36.85	%
G6	Berat cawan	9.27	g
	Berat cawan+tanah basah	40.57	g
	Berat cawan+tanah kering	32.16	g
	Kadar air, w	36.74	%
Kadar air rata-rata, w		36.80	%

Kepadatan Tanah Lapangan	9.93	kN/m ³
---------------------------------	------	-------------------

Keterangan : K-1
 Tanggal : 21-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut, W1	702	g
	Berat botol+kerucut+air, W2	5513	g
	Volume Botol	4811	cm ³
Pasir	Berat botol+pasir penuh, W3	6117.5	g
	Berat pasir, $W_p = W_3 - W_1$	5415.5	g
	Berat volume pasir	11.04	kN/m ³
Kerucut	Berat botol+pasir secukupnya, W4	6117.5	g
	Berat botol+sisa pasir, W5	5050	g
	Berat pasir pengii kerucut, $W_{pc} = W_4 - W_5$	1067.5	g

Data Pengujian Lapangan	Berat botol+pasir, W6	5050	g
	Berat botol+sisa pasir, W7	2345	g
	Berat wadah tanah, W8	124	g
	Berat wadah tanah+tanah, W9	2622.5	g
	Berat tanah, $W_s = W_9 - W_8$	2498.5	g

Pengujian Kadar Air

K8	Berat cawan	10.41	g
	Berat cawan+tanah basah	57.14	g
	Berat cawan+tanah kering	44.58	g
	Kadar air, w	36.76	%
B3	Berat cawan	9.75	g
	Berat cawan+tanah basah	51.45	g
	Berat cawan+tanah kering	40.58	g
	Kadar air, w	35.26	%
Kadar air rata-rata, w		36.01	%

Kepadatan Tanah Lapangan	12.39	kN/m ³
---------------------------------	-------	-------------------

Keterangan : K-2
 Tanggal : 22-Nov-19
 Kedalaman : 10 cm

Data Kalibrasi Kerucut, Botol, dan Pasir

Botol (Jar)	Berat botol+kerucut,W1	703.5	g
	Berat botol+kerucut+air,W2	5524	g
	Volume Botol	4820.5	cm ³
Pasir	Berat botol+pasir penuh,W3	6098.5	g
	Berat pasir, $W_p=W3-W1$	5395	g
	Berat volume pasir	10.98	kN/m ³
Kerucut	Berat botol+pasir secukupnya,W4	6098.5	g
	Berat botol+sisa pasir, W5	5009.5	g
	Berat pasir pengii kerucut, $W_{pc}=W4-W5$	1089	g

Data Pengujian Lapangan	Barat botol+pasir, W6	5009.5	g
	Barat botol+sisa pasir, W7	2278	g
	Berat wadah tanah, W8	126	g
	Berat wadah tanah+tanah, W9	2630	g
	Berat tanah, $W_s=W9-W8$	2504	g

Pengujian Kadar Air

K8	Berat cawan	10.39	g
	Berat cawan+tanah basah	46.18	g
	Berat cawan+tanah kering	36.05	g
	Kadar air, w	39.48	%
B3	Berat cawan	9.74	g
	Berat cawan+tanah basah	46.05	g
	Berat cawan+tanah kering	35.96	g
	Kadar air, w	38.48	%
Kadar air rata-rata, w		38.98	%

Kepadatan Tanah Lapangan	12.04	kN/m³
---------------------------------	--------------	-------------------------

Lampiran 5. Doumentasi pengujian



Tampilan variasi T-1 dan T-2



Tampilan variasi P-1



Tampilan variasi P-2



Tampilan variasi P-3



Tampilan variasi P-4



Tampilan variasi P-5



Tampilan variasi K-1



Tampilan variasi K-2



Tampilan variasi K-1