

LAMPIRAN

Lampiran I Data Discharging 1,5 LPM

No. Data	Waktu [jam]	T1 Sim	T2 Sim	T3 Sim	T4 Sim	T5 Sim	T6 Sim	T7 Sim	T8 Sim	T9 Sim	T10 Sim
1	0,00027778	63,25973	70	70	70	69,00824	69,99425	70	70	70	70
180	0,05	33,97281	39,7961	42,96774	45,58838	69,85003	66,94117	66,67797	68,63893	65,60079	67,36763
360	0,1	33,98282	39,15914	42,21273	44,71357	69,53666	67,83225	65,47231	67,06886	63,07918	67,01051
540	0,15	33,50101	38,6264	41,42972	43,92548	64,04922	66,77889	66,04752	66,04004	62,80292	67,4819
720	0,2	33,00782	37,86531	40,69204	43,1214	62,71524	66,57567	65,42109	64,92975	62,03289	66,48086
900	0,25	32,67693	37,62905	40,06356	42,17643	62,67609	60,86125	62,38321	62,75833	60,63093	63,83927
1080	0,3	32,73395	36,58996	39,91835	42,24058	62,89966	62,37225	62,46231	60,34241	60,76698	62,66545
1260	0,35	32,1034	36,38497	38,62018	40,42765	59,07002	60,49791	59,80874	60,26919	54,09842	59,80929
1440	0,4	31,9915	36,1807	38,38384	40,20048	57,6139	56,09076	56,42195	56,39462	53,19578	60,43294
1620	0,45	31,7809	35,59247	37,94265	39,6168	59,05907	57,82712	57,78583	56,02006	52,37356	56,89269
4500	1,25	29,34988	31,19426	32,2696	33,15886	40,47061	41,37246	40,21823	41,12016	40,0715	42,13834
4680	1,3	29,19415	30,96012	31,99533	32,85311	40,13561	41,57282	41,71999	40,95314	39,51946	41,36767
4860	1,35	29,15209	30,91482	31,74373	32,56945	40,05115	41,06604	40,36754	40,22346	38,35308	40,62297
5040	1,4	29,09048	30,63525	31,7617	32,61851	40,52219	40,62684	40,2979	40,39415	39,33091	40,67865
5220	1,45	28,9847	30,50812	31,50001	32,26404	39,48601	39,9439	39,42622	39,25101	38,18902	39,8407
5400	1,5	28,8726	30,33332	31,18107	31,87382	38,03425	39,90058	39,55517	39,58819	38,07418	39,76856
5580	1,55	28,83254	30,17221	31,18711	31,95265	39,27547	39,18871	38,20268	37,89002	37,14644	37,90869
5760	1,6	28,70706	30,11098	30,90877	31,48268	37,45754	37,88712	37,09519	37,54018	36,54547	37,82169
5940	1,65	28,65337	29,92726	30,78076	31,34995	37,47989	37,44284	37,24707	37,29442	36,12608	37,75696
6120	1,7	28,57228	29,82999	30,53596	31,15426	36,26911	37,5844	37,28004	36,83683	35,98817	36,90328

No. Data	Waktu [jam]	T11 Sim	T12 Sim	T13 Sim	T14 Sim	T15 Sim	T16 Sim	T17 Sim	T18 Sim	T19 Sim	T20 Sim
1	0,00027778	69,9999975	70	49,0014	69,94841	70	70	70	69,00158	70	70
180	0,05	39,7960977	66,68572	27,25952	39,22267	41,8234	43,28718	46,16144	68,83317	67,16932	66,83674
360	0,1	39,1591432	66,10408	27,25879	38,8109	41,18674	42,56114	45,29775	69,3651	67,51731	65,14097
540	0,15	38,6264	65,99272	27,25042	38,04979	40,62657	41,74966	44,3789	67,23984	66,46124	65,34566
720	0,2	37,8653148	64,94673	27,22336	37,3535	39,75083	41,02975	43,7428	64,55451	66,74008	64,81093
900	0,25	37,6290549	61,20556	27,21687	36,67658	39,31397	40,41263	42,70431	61,23011	63,05147	61,04784
1080	0,3	36,5899618	60,0065	27,20045	36,78392	38,65324	40,31476	42,45309	62,7019	62,69852	61,55118
1260	0,35	36,3849688	59,6438	27,19558	35,60585	37,93478	38,83796	41,20107	60,85792	61,21016	59,30252
1440	0,4	36,1807002	58,07801	27,197	35,48757	37,69056	38,63112	40,52387	57,05498	59,90223	55,5562
1620	0,45	35,5924672	56,29344	27,18366	35,21112	37,07161	38,1662	40,22904	57,5303	58,27043	55,80244
4500	1,25	31,1942583	40,77378	27,09239	30,98668	31,91018	32,36211	33,34188	40,72806	40,5176	40,30759
4680	1,3	30,9601243	40,24915	27,0862	30,76115	31,6056	32,11135	33,13808	41,45568	41,89407	41,0534
4860	1,35	30,914815	39,78607	27,08108	30,6693	31,51358	31,8631	32,81029	41,08963	41,38974	39,56757
5040	1,4	30,6352527	39,78352	27,07635	30,56399	31,37342	31,90536	32,75447	40,69499	40,58639	40,06728
5220	1,45	30,5081182	38,689	27,07365	30,3836	31,14719	31,60193	32,47331	39,84612	40,03177	39,15896
5400	1,5	30,3333168	38,74883	27,07225	30,14008	30,91431	31,2755	32,15427	39,46711	39,98713	39,22835
5580	1,55	30,1722068	38,15431	27,06856	30,12603	30,83504	31,30627	32,09764	39,22216	38,88628	37,7252
5760	1,6	30,1109788	37,51779	27,06393	29,95347	30,66475	30,97881	31,65128	37,27687	37,45197	37,03442
5940	1,65	29,9272596	36,81501	27,06099	29,82165	30,48878	30,84949	31,47017	37,57149	37,62638	36,90874
6120	1,7	29,8299943	36,37656	27,06132	29,63878	30,30657	30,62262	31,32545	37,22215	37,73666	36,62228

No. Data	Waktu [jam]	T21 Sim	T22 Sim	T23 Sim	T25 Sim	T26 Sim
1	0,00027778	70	70	70	70	70
180	0,05	64,6462528	67,15573	68,16092	69,99853	68,10319
360	0,1	62,6883579	68,2515	67,12804	67,81209	67,29257
540	0,15	62,6187687	67,42464	67,9374	66,8325	67,29486
720	0,2	61,7137149	66,1243	66,6728	62,87293	67,01301
900	0,25	60,8933246	63,85238	64,2854	60,9288	61,23556
1080	0,3	59,4456162	62,73229	63,5464	59,05262	60,61599
1260	0,35	54,6030433	61,08009	59,00998	57,59792	58,24459
1440	0,4	52,2206994	60,62568	58,63149	57,95688	60,24292
1620	0,45	53,0852972	56,9823	56,79526	56,93699	59,52443
4500	1,25	39,5786901	41,79088	41,92641	42,49388	41,05083
4680	1,3	39,8131884	41,62973	41,10562	40,27488	40,17549
4860	1,35	38,4320466	41,19308	40,07111	39,3087	39,90686
5040	1,4	39,4222609	40,33387	40,42709	39,14746	40,29695
5220	1,45	38,3250669	40,19861	39,62825	38,35149	38,72446
5400	1,5	38,0939138	39,7361	39,74519	38,00207	38,2262
5580	1,55	36,9857448	38,98529	38,99068	37,60073	38,19424
5760	1,6	36,3081054	37,47947	37,82929	37,42018	37,76347
5940	1,65	35,9637215	37,4836	37,97527	36,50907	37,27986
6120	1,7	35,8551919	37,51526	37,17715	36,21988	36,97338

Lampiran II Data Discharging 2,5 LPM

No. Data	Waktu [jam]	T1 Sim	T2 Sim	T3 Sim	T4 Sim	T5 Sim	T6 Sim	T7 Sim	T8 Sim	T9 Sim	T10 Sim
1	0,00027778	55,25303	69,9764	70	70	69,91381	69,14014	69,99997	70	70	70
180	0,05	33,69808	39,153	42,20661	44,8343	68,81379	67,20786	65,60039	66,14377	62,78383	69,20022
360	0,1	33,27608	38,21098	41,09412	43,82146	67,62166	65,44442	62,43643	63,53861	60,8342	67,60406
540	0,15	32,59704	37,21434	39,53121	41,71739	63,10426	64,58025	62,60464	63,71724	60,73599	63,42184
720	0,2	32,38036	36,58405	39,39779	41,67025	59,64067	61,28155	60,69231	60,64622	58,27893	61,156
900	0,25	32,08915	35,72964	38,39421	40,38232	59,34002	59,7047	58,69768	59,04225	54,95454	58,35471
1080	0,3	31,52307	34,97879	37,40552	39,34771	56,8213	56,09252	53,84415	54,22939	52,71286	56,30378
1260	0,35	31,23634	34,60173	36,46208	38,13223	54,27817	53,86955	52,17325	52,53899	49,1713	53,04311
1440	0,4	30,92136	34,13359	36,00811	37,53778	52,46912	52,7822	51,01232	51,26123	49,39814	52,04559
1620	0,45	30,54021	33,51072	35,09717	36,43528	49,2778	49,10431	48,01222	48,66984	47,07055	49,92097
4500	1,25	28,99161	30,73648	31,59116	32,44046	39,8086	40,19173	39,39506	39,35275	38,27007	40,14455
4680	1,3	28,96435	30,40915	31,46414	32,2712	39,28808	38,93811	37,95131	37,96155	37,06015	39,40401
4860	1,35	28,80655	30,20222	31,07932	31,67984	38,20791	38,38333	37,89626	37,31561	36,47262	38,27465
5040	1,4	28,63748	29,97127	30,705	31,40909	36,99425	37,52271	37,47573	37,85506	37,15781	37,59726
5220	1,45	28,47558	29,80442	30,43428	30,96544	36,16035	36,41023	35,58141	35,86707	35,17975	36,57429
5400	1,5	28,44706	29,57448	30,26723	30,81685	35,78926	35,73073	35,75883	36,09167	35,63802	36,13333
5580	1,55	28,34208	29,50815	30,04404	30,56839	35,09761	35,28745	34,89348	35,29098	34,52423	35,086
5760	1,6	28,22205	29,17532	29,7803	30,27806	34,30676	34,50836	34,01446	34,66188	34,02443	34,77143
5940	1,65	28,17646	29,06116	29,63248	30,03702	34,2533	34,18021	33,76601	33,79748	33,03951	34,32534
6120	1,7	28,02357	28,88067	29,34805	29,7936	33,41644	33,25594	33,37038	33,68299	33,10527	33,91612

No. Data	Waktu [jam]	T11 Sim	T12 Sim	T13 Sim	T14 Sim	T15 Sim	T16 Sim	T17 Sim	T18 Sim	T19 Sim	T20 Sim
1	0,00027778	70	70	42,40452	67,1551	69,99993	70	70	68,14346	69,99538	70
180	0,05	68,10934	66,7868	27,26728	38,70236	41,1108	42,49783	45,34538	67,78674	67,56223	64,65045
360	0,1	63,93219	64,04948	27,23185	37,88986	40,18693	41,44271	44,08413	67,05296	63,62027	62,40369
540	0,15	62,14036	60,94535	27,30167	36,70365	38,77033	39,77074	42,30684	63,92179	63,27848	61,69857
720	0,2	59,20918	61,9302	27,2826	36,2128	38,42417	39,74886	42,00512	60,77655	61,37238	59,72931
900	0,25	57,70441	56,75498	27,18895	35,56877	37,51229	38,74275	40,90714	59,20068	59,4715	58,06761
1080	0,3	54,74897	54,77985	27,16551	34,69206	36,60213	37,72989	39,70737	56,6229	56,15608	53,61054
1260	0,35	54,03438	55,16803	27,16251	34,2254	35,90592	36,65183	38,64715	54,81899	54,10587	51,53332
1440	0,4	50,92948	50,92161	27,15097	33,74443	35,42103	36,1733	37,98113	53,19339	52,04864	50,28185
1620	0,45	48,78525	49,51645	27,19107	33,17358	34,59755	35,29941	37,01869	49,552	49,37898	47,8124
4500	1,25	39,3183	39,38175	27,07721	30,43667	31,36185	31,69693	32,55608	40,50122	40,36968	39,02793
4680	1,3	38,11922	38,05474	27,07319	30,32118	31,14735	31,56031	32,232	39,35398	38,51304	37,77375
4860	1,35	38,4935	38,40373	27,06714	30,06204	30,75678	31,16139	31,8374	38,41429	37,94402	37,19754
5040	1,4	36,76268	36,95364	27,06561	29,78704	30,43743	30,81453	31,59895	37,06597	37,44155	37,07529
5220	1,45	36,217	36,41767	27,05717	29,632	30,25634	30,51781	31,0417	36,67044	36,30984	35,57237
5400	1,5	35,43412	35,55239	27,05377	29,47377	30,06142	30,3434	30,91782	35,7242	35,83265	35,81565
5580	1,55	34,81497	34,69535	27,04962	29,33907	29,87067	30,08923	30,62895	35,33092	35,19118	34,86413
5760	1,6	34,68553	34,69241	27,04771	29,07435	29,57071	29,84792	30,36912	34,60236	34,6124	34,25656
5940	1,65	34,08968	34,35119	27,04506	28,98557	29,42871	29,67563	30,12634	34,22893	33,87216	33,51987
6120	1,7	33,33435	33,88033	27,04362	28,73763	29,21133	29,41655	29,89722	33,28472	33,48398	33,3605

No. Data	Waktu [jam]	T21 Sim	T22 Sim	T23 Sim	T25 Sim	T26 Sim
1	0,00027778	70	70	70	70	70
180	0,05	70	67,9185	69,78084	67,80404	68,24592
360	0,1	62,54027	65,16162	66,82938	64,26572	64,1629
540	0,15	60,17355	63,23928	64,09892	61,62963	63,56306
720	0,2	60,06483	61,0777	61,93286	60,41987	61,85549
900	0,25	57,57907	58,8674	58,17371	58,8197	59,6081
1080	0,3	55,14947	54,65483	56,72941	54,32854	54,53367
1260	0,35	52,19823	53,34371	53,12521	52,44289	52,99546
1440	0,4	49,45778	51,7146	51,7489	50,72286	51,63852
1620	0,45	49,08017	49,31133	50,77397	48,91848	48,57979
4500	1,25	46,66162	40,30917	39,66807	39,82831	38,93474
4680	1,3	37,97192	38,8108	39,23008	39,01878	39,22766
4860	1,35	36,93902	38,20027	38,18668	37,61336	38,65549
5040	1,4	36,43369	37,31588	37,40207	37,02021	37,16451
5220	1,45	37,42988	36,33676	36,63943	36,83377	36,84192
5400	1,5	34,85132	35,81972	36,06207	35,92605	35,80344
5580	1,55	35,55906	35,18291	35,1627	34,91559	34,96107
5760	1,6	34,4588	35,13461	34,70705	34,4176	34,72946
5940	1,65	33,91441	34,24909	34,00625	33,86406	34,35266
6120	1,7	33,03151	33,73034	33,92023	33,21226	33,35667