

LAMPIRAN

Lampiran 1. Tabel J_L dan J_G yang digunakan

Tabel 1. J_G dan J_L

	0,033 m/s	0,149 m/s	0,232 m/s	0,539 m/s	0,7 m/s	2,297 m/s	4,935 m/s
9,62 m/s	1	2	3	4	5	6	7

Lampiran 2. Tabel hasil uji *specific gravity* dan *kinematic viscosity*

Tabel 2. Hasil uji *specific gravity* dan *kinematic viscosity*

No	Nama/Kode Sample	Hasil Pemekrisaan Larutan Aquades + Gliserin	
		Specific Gravity at 60/60 °F ASTM D 1298	Kinematic Viacosity at 27 °C, (mm ² /s) ASTM D 445
1	GL40	1.1114	3.320
2	GL50	1.1421	5.505
3	GL60	1.1671	9.393
4	GL70	1.1896	16.98

Hasil Konversi

No	Sample	Specific Gravity	Density (kg/m ³)	Kinematic Viscosity (mm ² /s)	Dynamic Viscosity (kg/m-s)
1	G40	1.1114	1109.1772	3.32	0.003682468
2	G50	1.1421	1139.8158	5.505	0.006274686
3	G60	1.1671	1164.7658	9.393	0.010940645
4	G70	1.1896	1187.2208	16.98	0.020159009

Lampiran 3. Tabel hasil pengujian tegangan permukaan

Tabel 3. hasil pengujian tegangan permukaan

No	Kode Sample	Uji 1 (N/cm ²)	Uji 2 (N/cm ²)	Uji 3 (N/cm ²)	Surface Tension (N/m)
1	GL40	56.9	56.5	58.6	0.05733
2	GL50	56	55.8	57.5	0.05643
3	GL60	55.3	52.6	56.4	0.05476
4	GL70	53.5	53.3	53.9	0.05356

Lampiran 4. Tabel *solution set-up* dan *solution method*

Tabel 4. *Solution set-up* dan *solution method*

<i>Solution Set-up</i>	<i>Solution Method</i>
<i>Fluent Launcher Option</i>	<i>Singel Precision</i>
<i>Processing Option</i>	<i>Parallel (6 Processor)</i>
<i>Additional Models</i>	<i>Laminar Models</i>
<i>Layout</i>	<i>Titles</i>
<i>Autosave</i>	<i>Get Data File Every 20 Time Steps</i>

Lampiran 5. Tabel hasil *pressure gradient*

Tabel 5. Hasil *pressure gradient* dengan $J_G=9,62$ m/s

	Kecepatan Superfisial Liquid (JL)						
	0.033	0.149	0.232	0.539	0.7	2.297	4.935
GL 40	60	80.242	63.013	111.814	119.16	344.821	421.631
GL 50	63.942	94.296	116.858	162.862	141.367	348.002	429.269
GL 60	88.578	132.568	141.933	191.074	231.917	348.191	430.284
GL 70	140.745	194.791	214.527	249.677	270.268	353.560	454.825