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# **LAMPIRAN**

Lampiran 1 Tabel

No	Depth [m]	Thickness [m]	Unit volume weight [Kg/[mc]	Saturated Unit volume weight [Kg/[mc]	Ground water table	Vs [m/sec]	Poisson's ratio	Vp [m/sec]
1	6.00	6.00	1800.00	1800.00	True	100.00	0.30	187.08
2	12.00	6.00	1800.00	1800.00	True	200.00	0.30	374.17
3	18.00	6.00	1800.00	1800.00	True	300.00	0.30	561.25
4	24.00	6.00	1800.00	1800.00	True	400.00	0.30	748.33
5	30.00	6.00	1800.00	1800.00	True	500.00	0.30	935.41
6	36.00	6.00	1800.00	1800.00	True	600.00	0.30	1122.50
7	∞	1.00	1800.00	1800.00	True	700.00	0.30	1309.58

Lampiran 2 Tabel

<b>No</b>	<b>Frequency</b>	<b>Velocity</b>	<b>Mode</b>
1	15.13	515.89	0
2	17.4	487.15	0
3	20.68	453.62	0
4	22.95	417.7	0
5	24.84	353.04	0
6	26.98	295.56	0
7	30.01	252.46	0
8	34.3	223.72	0
9	39.09	199.77	0
10	43.38	187.8	0
11	47.54	173.43	0

Lampiran 3 Tabel

No	Depth [m]	Thickness [m]	Unit volume weight [kg/mc]	Poisson's ratio	Ground water table	Vp [m/sec]	Vs [m/sec]
1	3.01	3.01	1800.00	0.3	Si	402.8	215.3
2	6.01	3.00	1800.00	0.3	Si	748.2	399.9
3	9.03	3.02	1800.00	0.3	Si	997.8	533.3
4	12.16	3.13	1800.00	0.3	Si	1244.0	665.0
5	23.26	11.10	1800.00	0.3	Si	1473.2	787.5
6	∞	∞	1800.00	0.3	Si	1624.4	868.3

Lampiran 4 Tabel

Depth [m]	Thickness min. [m]	Thickness [m]	Thickness max. [m]	Unit volume weight [kg/mc]	Saturated unit volume weight [kg/mc]	Poisson's ratio	Vs min [m/sec]	Vs initial [m/sec]	Vs max [m/sec]
6	3	6	12	1800	1800	0.3	66.67	200	266.67
12	3	6	12	1800	1800	0.3	100	300	400
18	3	6	12	1800	1800	0.3	133.33	400	533.33
24	3	6	12	1800	1800	0.3	166.67	500	666.67
30	3	6	12	1800	1800	0.3	200	600	800
∞	--	∞	∞	1800	1800	0.3	233.33	700	933.33



Lampiran 5 Tabel

No	Depth [m]	Thickness [m]	Unit volume weight [kg/mc]	Poisson's ratio	Vs calcuated [m/sec]	Vp calcuated [m/sec]
1	3	3	1800	0.3	209.7	392.32
2	6	3	1800	0.3	399.96	748.26
3	9.01	3.01	1800	0.3	533.33	997.78
4	12.06	3.05	1800	0.3	665.89	1245.76
5	15.23	3.17	1800	0.3	792.32	1482.3
6	∞	∞	1800	0.3	909.17	1700.89

Lampiran 6 Tabel

No	Depth [m]	Thickness [m]	Vs [m/s]	Vp [m/s]	Density [kg/mc]	Poisson's ratio	G0 [MPa]	Ed [MPa]	M0 [MPa]	Ey [MPa]
1	3	3	209.7	392.32	1800	0.3	79.16	277.04	171.5	205.8
2	6	3	400	748.26	1800	0.3	287.94	1007.8	623.88	748.65
3	9.01	3.01	533.3	997.78	1800	0.3	512	1792	1109.33	1331.2
4	12.1	3.05	665.9	1245.76	1800	0.3	798.13	2793.5	1729.29	2075.14
5	15.2	3.17	792.3	1482.3	1800	0.3	1130	3955	2448.31	2937.97
6	∞	∞	909.2	1700.89	1800	0.3	1487.9	5207.5	3223.67	3868.1

Lampiran 7 Tabel

No	Depth [m]	Thickness [m]	Vs [m/s]	Vp [m/s]	Density [kg/mc]	Poisson's ratio	G0 [MPa]	Ed [MPa]	M0 [MPa]	Ey [MPa]	NSPT	Qc [kPa]
1	3.01	3.01	215.28	402.76	1800.00	0.30	83.43	291.99	180.76	216.91	N/A	1101.05
2	6.01	3.00	399.92	748.18	1800.00	0.30	287.88	1007.58	623.74	748.49	N/A	N/A
3	9.03	3.02	533.33	997.78	1800.00	0.30	512.00	1792.00	1109.33	1331.20	N/A	N/A
4	12.1	3.13	664.96	1244.02	1800.00	0.30	795.91	2785.68	1724.47	2069.36	N/A	N/A
5	23.26	11.10	787.46	1473.20	1800.00	0.30	1116.17	3906.58	2418.36	2902.03	N/A	N/A
6	∞	∞	868.30	1624.44	1800.00	0.30	1357.11	4749.88	2940.40	3528.48	0	N/A

Lampiran 8 Gambar Tampilan profil 3D spectrum frekuensi terhadap kecepatan

