

Lampiran 3 Hasil Rangkuman Lab

Sample no. (soal no)	Depth (Kedalaman) (m)	Water Content (Kelembaban)		Unit Weight (Berat Isi)		Dry Density (Berat Isi Kering)		Specific Gravity (Berat Jenis)		Saturation ¹⁾ (Empuluran)		Void Ratio (Angka Por)		Porosity (Kebocoran)		Soil Type (Jenis Tanah)	Color (Warna)	Grain Size Analysis (Analisa ukuran butir)						Atterberg Limit (Data batas Atterberg)			Consolidation (Komaksi)				Unconfined (Tidak Terikat)		Triaxial UU (Triaksial UU)				Direct Shear UU (Geser Langsung UU)									
		w ₁ (%)	w ₂ (%)	γ ₁ (g/cm ³)	γ ₂ (g/cm ³)	G _s (g/cm ³)	S _r (%)	e	i	M ₁₀ (%)	M ₄₀ (%)	M ₆₀ (%)	M ₁₀₀ (%)	W _L (%)	W _P (%)			I _p (%)	U _c (kN/m ²)	e _c (%)	C _c (g/cm ²)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)	U _c (%)													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30													
BH-1	1.00	-	1.50	107.71	1.307	0.629	2.5576	89.8916	3.065	75.397	SILTY CLAY	BROWN	0.00	0.28	21.22	78.50	100.21	37.26	62.95	CH	2.5962	0.88	1.57E-02	3.12E-06	0.259	0.130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	4.00	-	4.50	94.62	1.450	0.785	2.5446	96.1315	2.240	69.135	SILTY CLAY	Dark GREY	0.00	1.91	27.79	79.30	99.05	36.10	60.95	CH	2.7775	1.22	2.63E-02	7.08E-06	0.044	0.022	4.574	0.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	10.00	-	10.50	40.62	1.809	1.286	2.5807	100.0000	1.006	30.151	CLAY	BLACK	0.00	7.48	3.02	89.50	54.21	24.61	29.60	CH	1.0059	0.33	2.96E-02	3.59E-06	0.759	0.379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	14.00	-	14.50	40.03	1.721	1.229	2.5773	94.9440	1.097	32.314	SILTY CLAY	Light GREYISH BROWN	0.00	16.69	24.81	88.50	50.00	37.53	22.47	CL	1.0965	0.23	2.71E-02	2.22E-06	0.818	0.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	18.00	-	18.50	23.05	2.032	1.668	2.6560	100.0000	0.593	37.213	CLAYEY SAND	BROWN	0.00	63.65	16.83	19.50	-	-	-	-	SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH-2	1.00	-	1.50	75.69	1.447	0.824	2.5543	92.9632	2.101	67.756	SILTY CLAY	BROWN	0.00	0.54	21.96	77.50	100.52	35.00	65.52	CH	2.1324	0.89	2.42E-02	5.30E-06	0.202	0.101	8.503	0.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.00	-	4.50	95.96	1.465	0.748	2.5708	100.0000	2.439	70.919	SILTY CLAY	GREY	0.00	0.56	33.94	65.50	91.78	28.31	63.47	CH	2.4399	0.83	1.21E-02	2.50E-06	0.037	0.019	1.184	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10.00	-	10.50	60.17	1.535	0.958	2.5641	92.9802	1.676	62.624	CLAYEY SILT	BROWNISH GREY	0.00	11.53	48.45	40.00	51.10	32.27	18.83	MS&OH	1.6761	0.48	2.26E-02	3.31E-06	0.047	0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	14.00	-	14.50	73.55	1.526	0.879	2.5608	98.4800	1.912	65.664	SILTY CLAY	BROWNISH GREY	0.00	5.80	31.70	62.50	79.46	28.89	30.57	CH	1.9123	0.65	1.86E-02	3.35E-06	0.187	0.094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18.00	-	18.50	37.06	1.646	1.201	2.5328	83.1838	1.151	53.503	CLAYEY SAND	DARK GRAY	0.00	64.14	14.81	21.05	39.12	18.65	20.47	CL	1.2384	0.30	1.75E-03	4.13E-07	0.062	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH-3	1.00	-	1.50	92.34	1.375	0.713	2.5478	91.6387	2.573	72.011	SANDY CLAY	DARK BROWN	0.00	17.72	4.28	78.00	100.00	38.11	61.89	CH	2.5726	1.00	1.66E-02	3.47E-06	0.446	0.223	3.005	0.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.00	-	4.50	61.14	1.618	1.004	2.5907	100.0000	1.580	61.242	CLAYEY SILT	DARK BROWN	0.00	7.38	53.32	39.30	91.48	43.17	48.31	MS&OH	1.5804	0.63	1.81E-02	3.30E-06	0.258	0.129	8.475	0.157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	10.00	-	10.50	44.76	1.819	1.237	2.5942	100.0000	1.063	51.563	SANDY CLAY/SILTY CLAY	DARK BROWN	0.00	27.39	27.61	45.00	52.95	44.23	8.72	MS&OH	1.0642	0.34	3.47E-02	1.65E-06	0.424	0.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH-4	1.00	-	1.50	69.57	1.530	0.914	2.5806	98.4723	1.823	64.579	SILTY CLAY	BROWNISH GREY	0.00	0.41	22.09	77.50	96.48	37.27	59.21	CH	1.8235	0.78	2.06E-02	4.42E-06	0.137	0.069	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.00	-	4.50	82.80	1.580	0.864	2.5381	100.0000	1.936	65.946	SILTY CLAY	GREY	0.00	1.32	25.68	73.00	91.26	29.94	61.32	CH	1.9361	0.55	1.20E-02	1.89E-06	0.021	0.011	1.069	0.022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	10.00	-	10.50	27.05	1.880	1.480	2.6178	92.0701	0.769	43.474	CLAYEY SAND	GREY	0.00	63.70	14.00	22.30	-	-	-	-	SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	14.00	-	14.50	122.69	1.388	0.623	2.6008	100.0000	3.173	76.035	CLAYEY SAND	GREY	1.50	53.60	16.40	28.50	-	-	-	-	SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	18.00	-	18.50	38.82	1.774	1.278	2.5478	99.5308	0.994	49.942	SILTY CLAY	BROWNISH GREY	0.00	1.70	30.80	87.50	49.25	26.96	22.29	CL	0.9936	0.33	3.01E-02	3.67E-06	0.886	0.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH-03	1.00	-	1.50	103.90	1.371	0.672	2.4517	96.2612	2.646	72.575	SILTY CLAY	DARK GREY	0.00	5.76	30.31	63.93	84.72	46.92	37.80	MS&OH	2.9009	0.67	3.56E-03	6.30E-07	0.061	0.031	3.576	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	4.00	-	4.50	108.01	1.394	0.670	2.5329	98.4237	2.780	73.542	SILTY CLAY/CLAYEY SILT	DARK GREY	0.00	11.96	43.06	44.96	124.33	71.02	53.31	MS&OH	2.8077	0.81	4.43E-03	1.15E-06	0.065	0.032	3.291	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	10.00	-	10.50	33.25	1.735	1.302	2.5970	86.8255	0.995	49.863	SILTY CLAY	LIGHT GREY	0.00	10.96	39.44	49.60	45.88	20.27	25.61	CL	0.9594	0.24	9.62E-04	5.87E-08	0.118	0.059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	14.00	-	14.50	46.80	1.694	1.154	2.5239	99.4949	1.187	54.279	SILTY CLAY	LIGHT GREY	0.00	11.82	32.15	56.03	46.31	37.56	18.75	MS&OH	1.2135	0.25	1.69E-03	2.70E-07	0.477	0.239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH-06	1.00	-	1.50	82.65	1.441	0.789	2.5086	95.1209	2.180	68.551	SILTY CLAY	BROWNISH GREY	0.00	1.98	26.67	71.35	96.59	45.28	51.31	MS&OH	2.2272	0.43	5.16E-04	1.58E-07	0.069	0.034	3.005	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	4.00	-	4.50	286.83	1.138	0.294	2.0855	98.2393	6.089	85.894	wash silty clay	DARK GREY	0.00	24.88	29.62	45.50	191.30	127.50	63.80	MS&OH	6.0198	1.94	1.27E-03	8.94E-07	0.067	0.034	3.148	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	10.00	-	10.50	58.23	1.555	0.983	2.4565	95.3851	1.500	59.994	SILTY CLAY	LIGHT GREY	0.00	0.44	44.54	55.02	77.91	31.98	45.93	CH	1.3902	0.31	5.78E-04	2.44E-07	0.043	0.023	3.862	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BH-07	1.00	-	1.50	43.11	1.740	1.205	2.5746	99.3177	1.118	52.775	SILTY CLAY	BROWNISH GREY	0.00	2.94	23.35	73.71	88.63	28.32	30.33	CH	1.2380	0.28	3.22E-03	2.60E-07	-	-	6.434	0.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	4.00	-	4.50	52.20	1.638	1.076	2.5987	95.8899	1.415	58.586	SILTY CLAY	GREYISH BROWN	0.00	2.28	39.12	58.60	89.18	35.62	53.56	CH	1.4315	0.33	3.05E-03	2.99E-07	0.084	0.342	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.00	-	4.50	97.48	1.409	0.713	2.5171	97.9647	2.528	71.654	CLAYEY SILT	DARK GREY	0.00	7.50	32.10	40.40	97.90	54.13	43.77	MS&OH	2.5280	0.68	8.74E-04	2.27E-07	0.046	0.023	2.923	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	10.00	-	10.50	40.38	1.694	1.205	2.5131	93.9440	1.086	52.651	SILTY CLAY	BROWNISH BROWN</																																		