

LAMPIRAN 1 : HASIL PENGUJIAN KUAT TEKAN

Tabel Hasil Pengujian Kuat Tekan

Komposisi Plastik	Sampel Ke-	Dimensi			Luas Penampang	Berat Benda Uji	Beban Maksimum	Kuat Tekan	Rata-rata
		Panjang	Lebar	Tinggi					
		(cm)	(cm)	(cm)	(cm <sup>2</sup> )	(kg)	(kgf)	(MPa)	(MPa)
0%	1	4.47	4.82	5.44	21.5454	0.3	1830	8.32976413	11.3151844
	2	5.20	5.26	5.48	27.352	0.3	3840	13.7682363	
	3	5.05	5.36	5.35	27.068	0.3	4070	14.7460064	
	4	5.78	5.57	5.44	32.1946	0.35	2800	8.52925646	
	5	5.74	5.27	5.52	30.2498	0.33	3780	12.2547785	
	6	5.74	5.23	5.32	30.0202	0.32	3530	11.5318053	
	7	5.90	5.57	5.40	32.863	0.36	2540	7.57988619	
	8	5.60	5.84	5.49	32.704	0.38	4560	13.6741438	
	9	5.75	5.76	5.24	33.12	0.39	5480	16.226558	
	10	5.24	5.03	5.20	26.3572	0.3	1750	6.51140865	
0.3%	1	5.07	5.58	5.79	28.2906	0.38	4025	13.9527529	12.3088828
	2	5.33	5.44	5.89	28.9952	0.38	3700	12.5144507	
	3	5.44	5.29	5.90	28.7776	0.33	3075	10.4791661	
	4	5.49	5.45	5.85	29.9205	0.35	4350	14.2579335	
	5	5.19	5.24	5.86	27.1956	0.3	3325	11.990276	
	6	5.38	5.32	5.84	28.6216	0.34	4250	14.562341	
	7	5.25	5.68	5.37	29.82	0.36	3350	11.0172535	
	8	5.37	5.81	5.88	31.1997	0.38	4500	14.1448475	
	9	5.24	5.25	5.87	27.51	0.31	2650	9.44694656	
	10	5.31	5.77	5.73	30.6387	0.32	3350	10.7228603	

Komposisi Plastik	Sampel Ke-	Dimensi			Luas Penampang (cm <sup>2</sup> )	Berat Benda Uji (kg)	Beban Maksimum (kgf)	Kuat Tekan (MPa)	Rata-rata (MPa)
		Panjang	Lebar	Tinggi					
		(cm)	(cm)	(cm)					
0.4%	1	5.22	5.50	5.87	28.71	0.31	3325	11.3578109	12.6987116
	2	5.30	5.35	5.78	28.355	0.35	4950	17.1203139	
	3	5.23	5.13	5.82	26.8299	0.3	3300	12.062326	
	4	5.24	5.41	5.74	28.3484	0.3	3450	11.935118	
	5	5.14	5.38	5.86	27.6532	0.3	3450	12.2351663	
	6	5.23	5.03	5.60	26.3069	0.3	3450	12.8613216	
	7	5.38	5.38	5.78	28.9444	0.32	3250	11.0117156	
	8	5.25	5.52	5.73	28.98	0.33	3625	12.2672101	
	9	5.74	5.38	5.63	30.8812	0.32	4700	14.9258772	
	10	5.29	5.54	5.88	29.3066	0.3	3350	11.2102564	
0.5%	1	5.16	5.81	5.78	29.9796	0.3	4675	15.2929742	14.5473903
	2	5.50	5.29	5.52	29.095	0.3	4525	15.2523372	
	3	5.35	5.32	5.55	28.462	0.31	5150	17.7450812	
	4	5.53	5.75	5.79	31.7975	0.35	4450	13.7247111	
	5	5.27	4.85	5.76	25.5595	0.3	4025	15.4436413	
	6	5.33	5.50	5.66	29.315	0.3	4500	15.0542384	
	7	5.46	5.35	5.64	29.211	0.3	3325	11.1630122	
	8	5.15	5.92	5.75	30.488	0.31	4425	14.2337887	
	9	5.24	5.49	5.66	28.7676	0.32	4275	14.573661	
	10	5.44	5.10	5.66	27.744	0.3	3675	12.9904574	
0.6%	1	4.35	5.85	5.74	25.4475	0.3	2900	11.1760684	11.8198686
	2	5.83	5.73	5.66	33.4059	0.37	4200	12.3299776	

Komposisi Plastik	Sampel Ke-	Dimensi			Luas Penampang (cm <sup>2</sup> )	Berat Benda Uji (kg)	Beban Maksimum (kgf)	Kuat Tekan (MPa)	Rata-rata (MPa)
		Panjang	Lebar	Tinggi					
		(cm)	(cm)	(cm)					
	3	5.48	5.05	5.49	27.674	0.3	3150	11.1628424	
	4	5.46	5.21	5.66	28.4466	0.31	3175	10.9458512	
	5	5.44	5.31	5.52	28.8864	0.3	3500	11.8825814	
	6	5.25	5.66	5.61	29.715	0.32	3225	10.6436396	
	7	5.52	5.44	5.65	30.0288	0.32	4025	13.1451057	
	8	4.80	5.60	5.55	26.88	0.3	3125	11.4013672	
	9	4.85	5.48	5.74	26.578	0.3	3775	13.9293495	
	10	5.64	5.63	5.56	31.7532	0.31	3750	11.5819036	



Tabel Hasil Pengujian Daya Serap Air

Komposisi Plastik	Sampel Ke-	Berat <i>Paving Block</i>		Penyerapan Air	Penyerapan Air Rata-rata
		Sebelum dioven	Setelah dioven		
		(kg)	(kg)	(%)	(%)
0%	1	2.2	2	10	10
	2	2.2	1.9	16	
	3	2.1	2	5	
	4	2.1	1.9	11	
	5	2.2	2	10	
0.3%	1	2.3	2.1	10	8
	2	2.4	2.2	9	
	3	2.3	2.2	5	
	4	2.4	2.1	14	
	5	2.4	2.3	4	
0.4%	1	2.5	2.3	9	7
	2	2.5	2.4	4	
	3	2.5	2.3	9	
	4	2.4	2.3	4	
	5	2.5	2.3	9	
0.5%	1	2.5	2.4	4	5
	2	2.4	2.3	4	
	3	2.4	2.3	4	
	4	2.5	2.3	9	
	5	2.4	2.3	4	
0.6%	1	2.4	2.1	14	9
	2	2.3	2.1	10	
	3	2.4	2.2	9	
	4	2.3	2.2	5	
	5	2.4	2.2	9	

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