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Lampiran 1 Analisa Data Modulus Elastisitas

Beton Normal (TNS-0%)

Sampel 1

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0	0,00015	-0,565657888	9,279064224	0,000480289	22879,33275	22637,05638
0,339394733	0,00021					
23,19766056	0,00195					
9,265478759	0,00048					
10,08851353	0,0004975					

Sampel 2

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→(40%)	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,008484868	0,00001	0,376970578	9,1399246	0,000443185	22287,09514	22466,69393
0,330909865	0,000045					
22,8498115	0,0021825					
8,960015859	0,000435					
10,11396559	0,0004875					

Sampel 3

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,823032228	0,000035	1,170911829	7,103556208	0,000337168	20659,15357	19806,41037
1,170911829	0,00005					
17,75889052	0,001645					
6,397595811	0,0003025					
7,212138077	0,0003425					

Beton Variasi (TNS-15%)

Sampel 1

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,56000131	0,000035	0,767274521	6,282214844	0,000356206	18010,55105	18626,19969
1,043638804	0,00007					
15,70553711	0,001405					
7,509108469	0,00042					
7,94183166	0,0004425					

Sampel 2

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→(40%)	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,432728285	0,000075	0,301066535	7,609236028	0,000424111	19534,77181	20499,26973
0,814547359	0,0001475					
19,02309007	0,00386					
7,526080752	0,000405					
7,950324168	0,0005025					

Sampel 3

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,610910519	0,000055	0,5090921	8,73264074	0,000466601	19739,62105	21960,42087
1,120002619	0,00008					
21,83160185	0,0019425					
6,88122312	0,0003575					
7,305466536	0,0003825					

Beton Variasi (TNS-20%)

Sampel 1

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,313940128	0,0000225	0,614681572	7,001689704	0,000384048	19120,05102	19663,88349
0,56000131	0,000045					
17,50422426	0,001915					
7,509108469	0,0004075					
7,94183166	0,0004275					

Sampel 2

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→(40%)	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,526061836	0,00005	0,526061836	5,837599596	0,000380501	16071,15296	17954,98364
0,967274989	0,0000925					
14,59399899	0,0016125					
5,667889495	0,0003625					
6,092132912	0,0004075					

Sampel 3

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,670304598	0,0000925	0,309697694	5,837599596	0,000374707	17024,30289	17954,98364
1,136972356	0,0001475					
14,59399899	0,001505					
5,625465154	0,00036					
6,058201078	0,00039					

Beton Variasi (TNS-25%)

Sampel 1

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,016969737	0,0000125	0,390834247	4,951771192	0,000333174	16106,47343	16536,67331
0,415758548	0,0000525					
12,37942798	0,003545					
4,692129638	0,0002525					
5,158797396	0,0003975					

Sampel 2

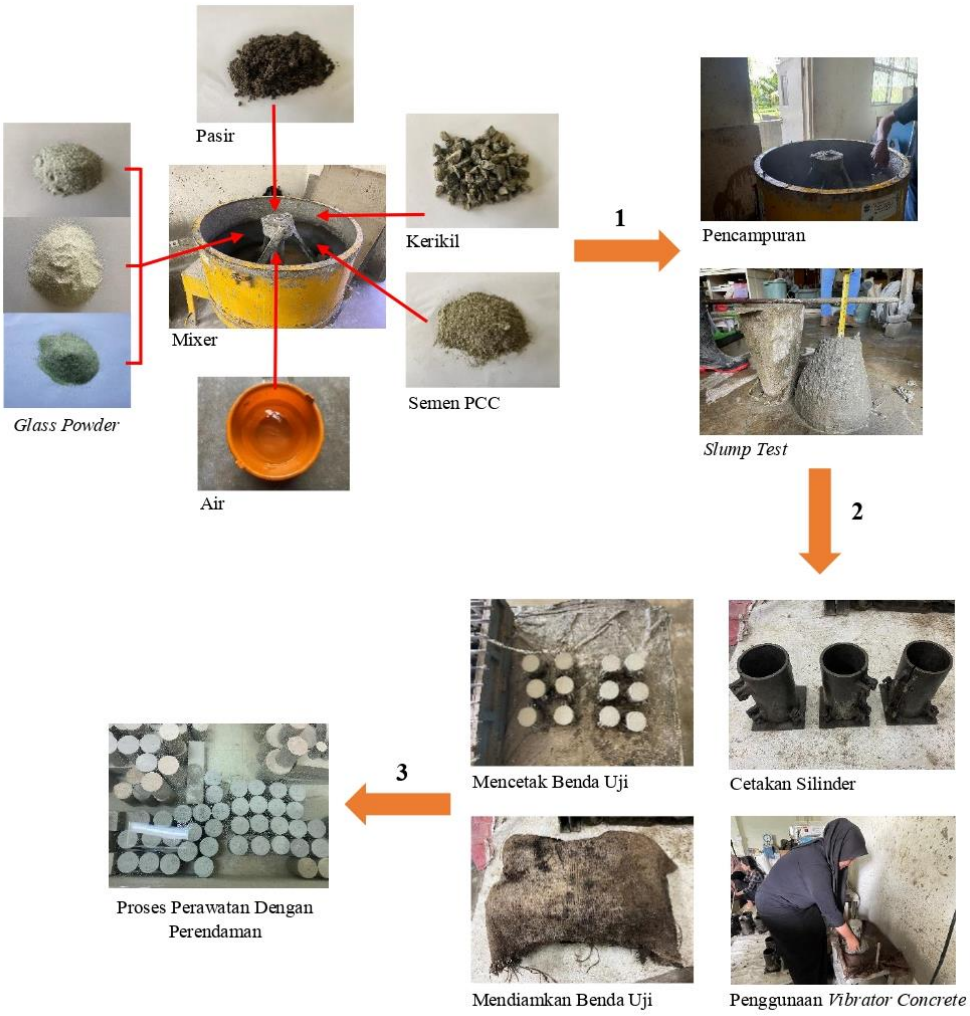
Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→(40%)	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0	0,00044275	-2,221621357	4,52073888	0,000448023	16939,61677	15800,56343
0,008484868	0,00044425					
11,3018472	0,00222					
8,663045468	0,000451					
9,358807217	0,0004515					

Sampel 3

Hasil Uji		Eksperimental				Teori
Tegangan (MPa)	Regangan (mm)	S1→(0.00005)	S2→40%	Ɛ2 (Longitudinal)	Ec (MPa)	(MPa)
0,636365124	0,0000225	1,224366499	5,433728012	0,000317139	15757,1709	17322,7489
1,170911829	0,0000475					
13,58432003	0,0054825					
8,764866434	0,0008175					
9,197602358	0,0008825					

Lampiran 2 Proses Penyiapan Material

Lampiran 3 Proses Pembuatan Benda Uji



Lampiran 4 Pengujian Benda Uji