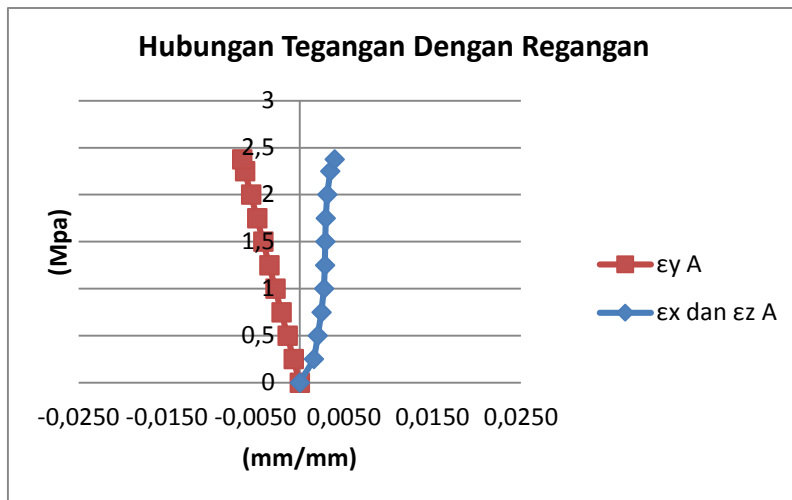


## LAMPIRAN

Tabel 1 Hasil uji tekan bata ringan kode A

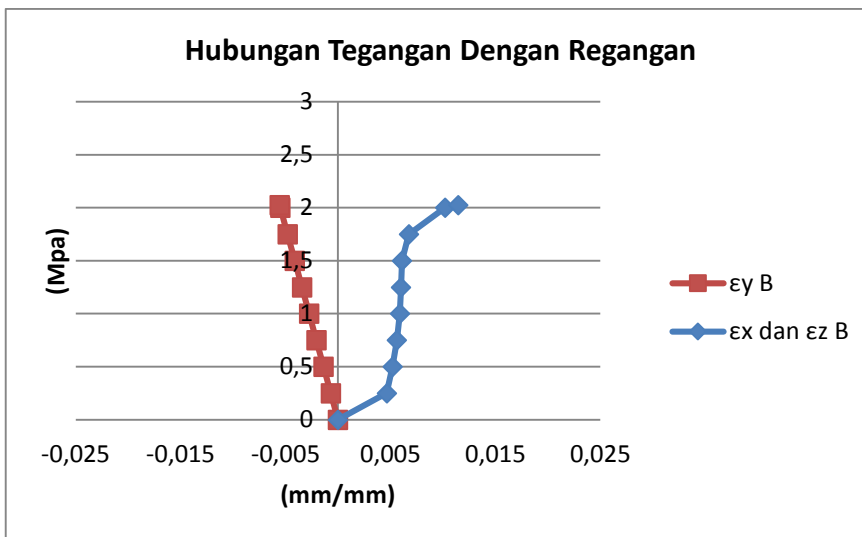
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0.0000	0	0	0.0000	0
5	364.14	0.25	-0.00069	0.32	-0.41	0.0016	0.16
10	364.14	0.5	-0.00137	0.41	-0.82	0.0021	0.21
15	364.14	0.75	-0.00206	0.49	-1.24	0.0025	0.25
20	364.14	1	-0.00275	0.55	-1.65	0.0028	0.28
25	364.14	1.25	-0.00343	0.57	-2.06	0.0029	0.29
30	364.14	1.5	-0.00412	0.58	-2.47	0.0029	0.29
35	364.14	1.75	-0.00481	0.59	-2.88	0.0030	0.30
40	364.14	2	-0.00549	0.62	-3.30	0.0031	0.31
45	364.14	2.25	-0.00618	0.69	-3.71	0.0035	0.35
47.5	364.14	2.375	-0.00652	0.79	-3.91	0.0040	0.40



Gambar 1 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan kode A

Tabel 2 Hasil uji tekan bata ringan kode B

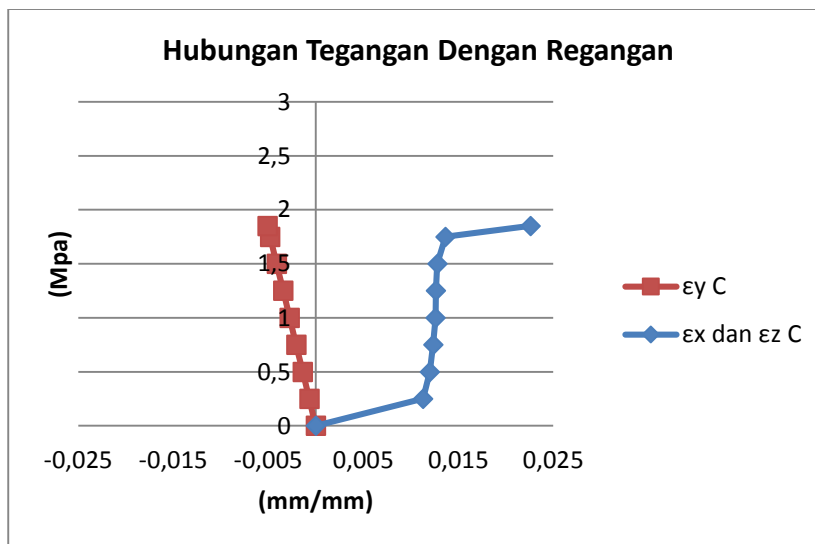
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.93	-0.41	0.00465	0.47
10	364.14	0.5	-0.001373	1.04	-0.82	0.0052	0.52
15	364.14	0.75	-0.00206	1.12	-1.24	0.0056	0.56
20	364.14	1	-0.002746	1.18	-1.65	0.0059	0.59
25	364.14	1.25	-0.003433	1.2	-2.06	0.006	0.60
30	364.14	1.5	-0.004119	1.22	-2.47	0.0061	0.61
35	364.14	1.75	-0.004806	1.35	-2.88	0.00675	0.68
40	364.14	2	-0.005492	2.04	-3.30	0.0102	1.02
40.5	364.14	2.025	-0.005561	2.29	-3.34	0.01145	1.15



Gambar 2 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan kode B

Tabel 3 Hasil uji tekan bata ringan kode C

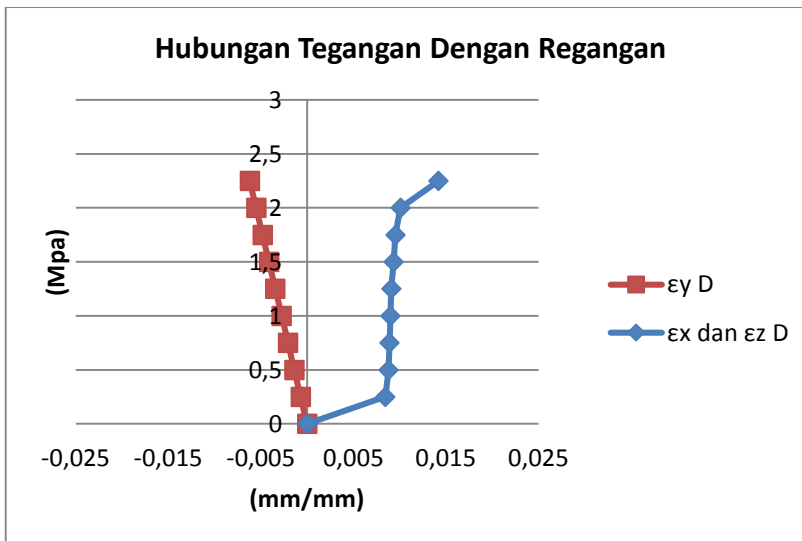
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	2.26	-0.41	0.0113	1.13
10	364.14	0.5	-0.001373	2.4	-0.82	0.012	1.20
15	364.14	0.75	-0.00206	2.47	-1.24	0.01235	1.24
20	364.14	1	-0.002746	2.52	-1.65	0.0126	1.26
25	364.14	1.25	-0.003433	2.53	-2.06	0.01265	1.27
30	364.14	1.5	-0.004119	2.56	-2.47	0.0128	1.28
35	364.14	1.75	-0.004806	2.73	-2.88	0.01365	1.37
37	364.14	1.85	-0.005081	4.52	-3.05	0.0226	2.26



Gambar 3 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan kode C

Tabel 4 Hasil uji tekan bata ringan kode D

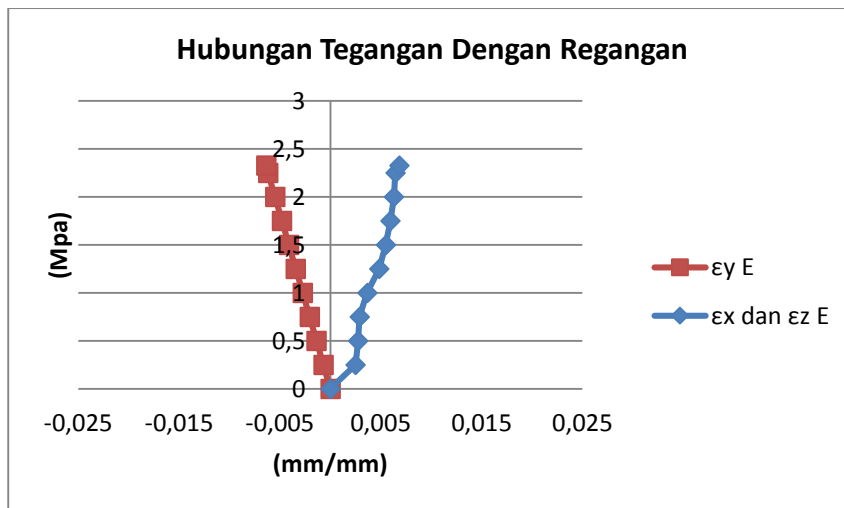
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	1.69	-0.41	0.00845	0.85
10	364.14	0.5	-0.001373	1.76	-0.82	0.0088	0.88
15	364.14	0.75	-0.00206	1.78	-1.24	0.0089	0.89
20	364.14	1	-0.002746	1.8	-1.65	0.009	0.90
25	364.14	1.25	-0.003433	1.82	-2.06	0.0091	0.91
30	364.14	1.5	-0.004119	1.87	-2.47	0.00935	0.94
35	364.14	1.75	-0.004806	1.91	-2.88	0.00955	0.96
40	364.14	2	-0.005492	2.02	-3.30	0.0101	1.01
45	364.14	2.25	-0.006179	2.84	-3.71	0.0142	1.42



Gambar 4 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan kode D

Tabel 5 Hasil uji tekan bata ringan kode E

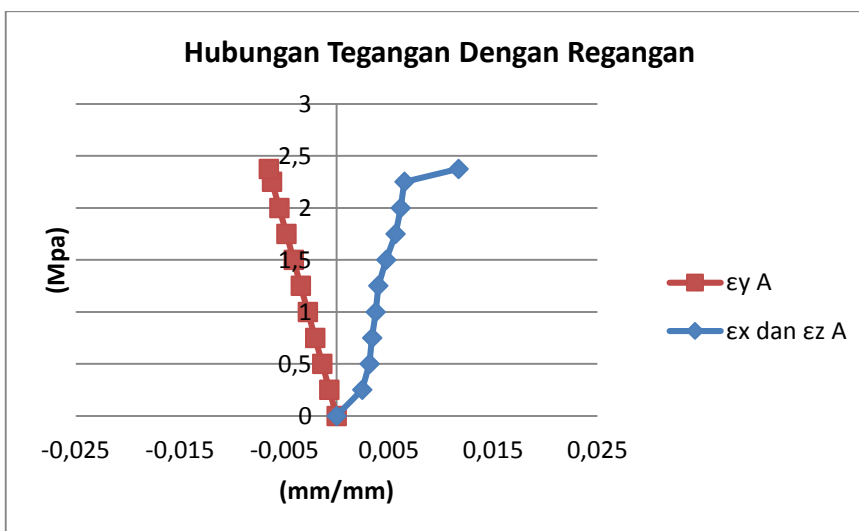
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.5	-0.41	0.0025	0.25
10	364.14	0.5	-0.001373	0.55	-0.82	0.00275	0.28
15	364.14	0.75	-0.00206	0.58	-1.24	0.0029	0.29
20	364.14	1	-0.002746	0.73	-1.65	0.00365	0.37
25	364.14	1.25	-0.003433	0.97	-2.06	0.00485	0.49
30	364.14	1.5	-0.004119	1.1	-2.47	0.0055	0.55
35	364.14	1.75	-0.004806	1.19	-2.88	0.00595	0.60
40	364.14	2	-0.005492	1.26	-3.30	0.0063	0.63
45	364.14	2.25	-0.006179	1.29	-3.71	0.00645	0.65
46.5	365.14	2.325	-0.006368	1.37	-3.82	0.00685	0.69



Gambar 5 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan kode E

Tabel 6 Hasil uji tekan bata ringan + mortar kode A

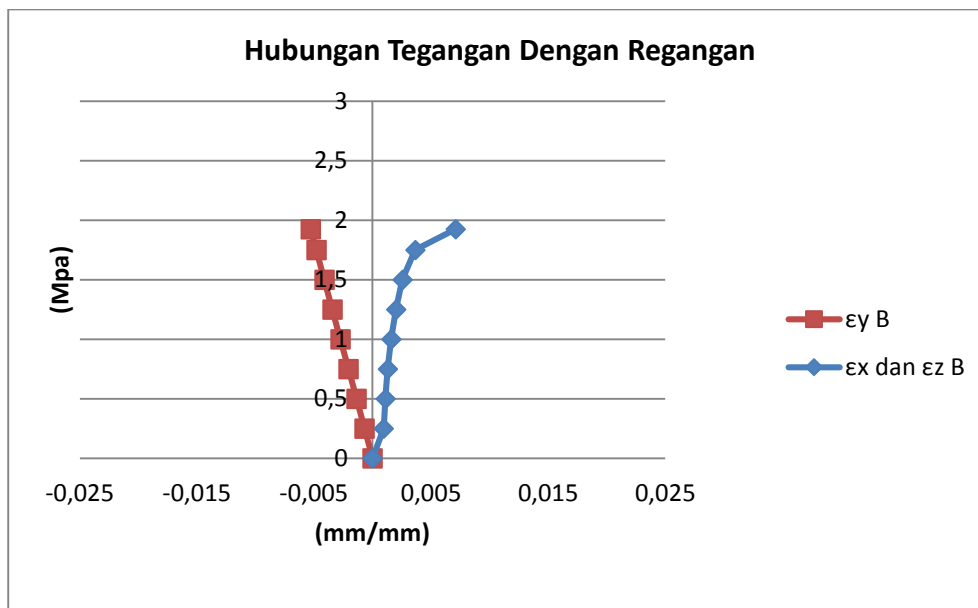
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.49	-0.41	0.00245	0.25
10	364.14	0.5	-0.001373	0.63	-0.82	0.00315	0.32
15	364.14	0.75	-0.00206	0.68	-1.24	0.0034	0.34
20	364.14	1	-0.002746	0.75	-1.65	0.00375	0.38
25	364.14	1.25	-0.003433	0.80	-2.06	0.004	0.40
30	364.14	1.5	-0.004119	0.95	-2.47	0.00475	0.48
35	364.14	1.75	-0.004806	1.13	-2.88	0.00565	0.57
40	364.14	2	-0.005492	1.23	-3.30	0.00615	0.62
45	364.14	2.25	-0.006179	1.30	-3.71	0.0065	0.65
47.5	365.14	2.375	-0.006504	2.34	-3.90	0.0117	1.17



Gambar 6 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar kode A

Tabel 7 Hasil uji tekan bata ringan + mortar kode B

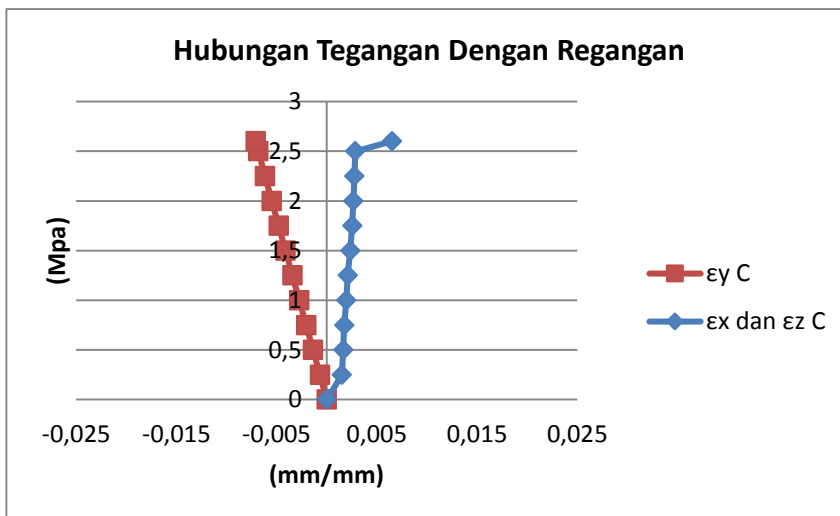
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.19	-0.41	0.00095	0.10
10	364.14	0.5	-0.001373	0.22	-0.82	0.0011	0.11
15	364.14	0.75	-0.00206	0.26	-1.24	0.0013	0.13
20	364.14	1	-0.002746	0.32	-1.65	0.0016	0.16
25	364.14	1.25	-0.003433	0.40	-2.06	0.002	0.20
30	364.14	1.5	-0.004119	0.51	-2.47	0.00255	0.26
35	364.14	1.75	-0.004806	0.73	-2.88	0.00365	0.37
38.5	364.14	1.925	-0.005286	1.42	-3.17	0.0071	0.71



Gambar 7 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar kode B

Tabel 8 Hasil uji tekan bata ringan + mortar kode C

Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.30	-0.41	0.0015	0.15
10	364.14	0.5	-0.001373	0.33	-0.82	0.00165	0.17
15	364.14	0.75	-0.00206	0.35	-1.24	0.00175	0.18
20	364.14	1	-0.002746	0.39	-1.65	0.00195	0.20
25	364.14	1.25	-0.003433	0.42	-2.06	0.0021	0.21
30	364.14	1.5	-0.004119	0.47	-2.47	0.00235	0.24
35	364.14	1.75	-0.004806	0.51	-2.88	0.00255	0.26
40	364.14	2	-0.005492	0.53	-3.30	0.00265	0.27
45	365.14	2.25	-0.006162	0.55	-3.70	0.00275	0.28
50	366.14	2.5	-0.006828	0.57	-4.10	0.00285	0.29
52	367.14	2.6	-0.007082	1.30	-4.25	0.0065	0.65

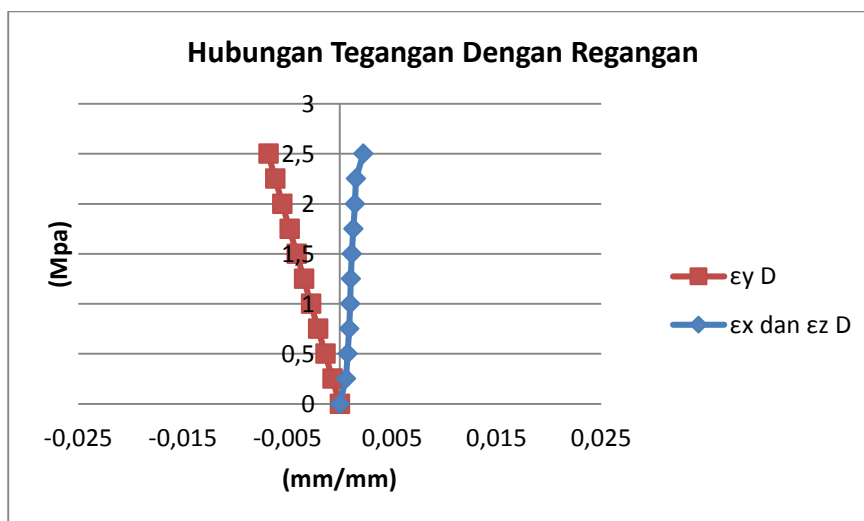


Gambar 8 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar kode C



Tabel 9 Hasil uji tekan bata ringan +mortar kode D

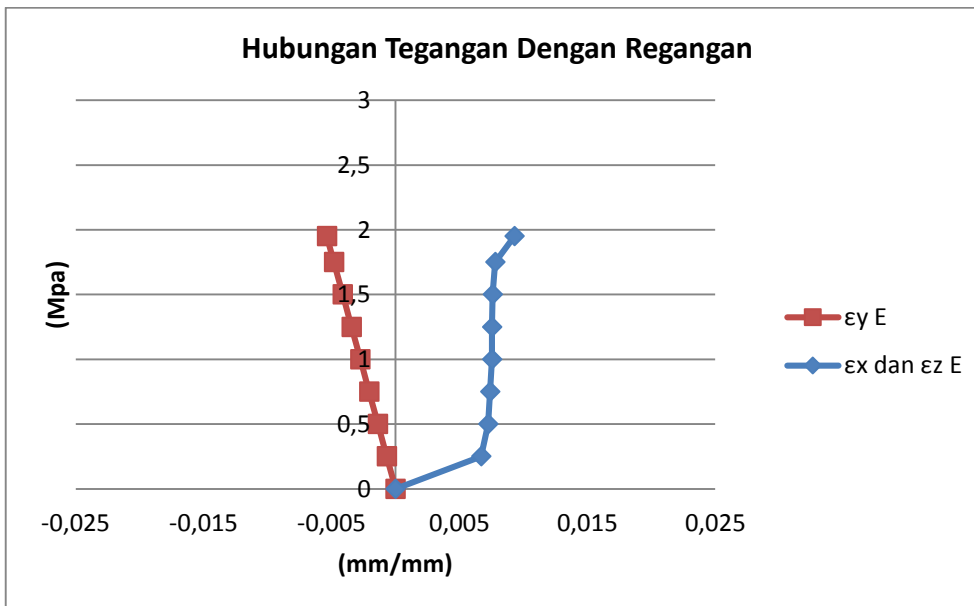
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.12	-0.41	0.0006	0.06
10	364.14	0.5	-0.001373	0.15	-0.82	0.00075	0.08
15	364.14	0.75	-0.00206	0.18	-1.24	0.0009	0.09
20	364.14	1	-0.002746	0.20	-1.65	0.001	0.10
25	364.14	1.25	-0.003433	0.21	-2.06	0.00105	0.11
30	364.14	1.5	-0.004119	0.23	-2.47	0.00115	0.12
35	364.14	1.75	-0.004806	0.26	-2.88	0.0013	0.13
40	364.14	2	-0.005492	0.29	-3.30	0.00145	0.15
45	365.14	2.25	-0.006162	0.31	-3.70	0.00155	0.16
50	366.14	2.5	-0.006828	0.45	-4.10	0.00225	0.23



Gambar 9 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar kode D

Tabel 10 Hasil uji tekan bata ringan + mortar kode E

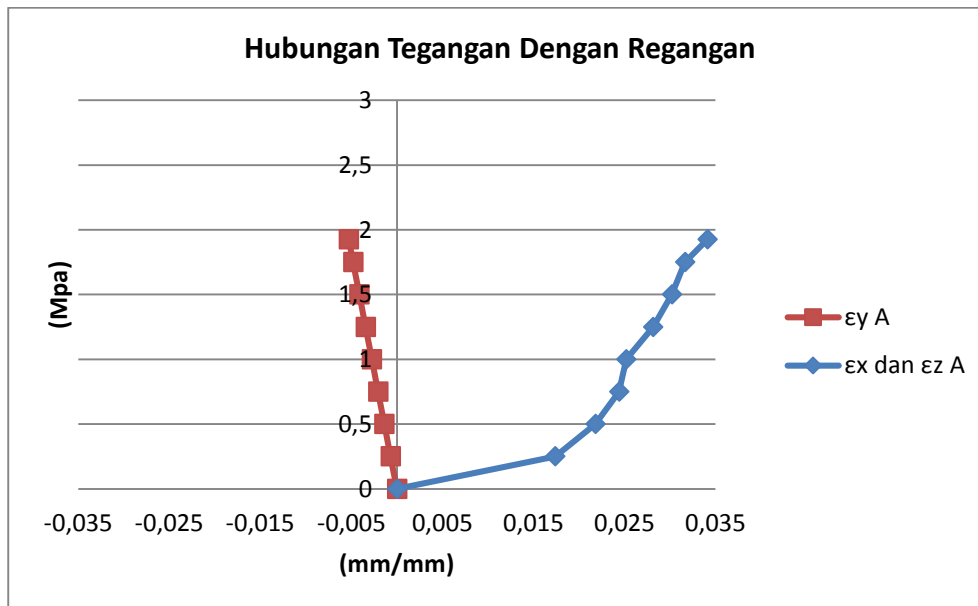
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	1.34	-0.41	0.0067	0.67
10	364.14	0.5	-0.001373	1.45	-0.82	0.00725	0.73
15	364.14	0.75	-0.00206	1.48	-1.24	0.0074	0.74
20	364.14	1	-0.002746	1.51	-1.65	0.00755	0.76
25	364.14	1.25	-0.003433	1.51	-2.06	0.00755	0.76
30	364.14	1.5	-0.004119	1.52	-2.47	0.0076	0.76
35	364.14	1.75	-0.004806	1.56	-2.88	0.0078	0.78
39	364.14	1.95	-0.005355	1.86	-3.21	0.0093	0.93



Gambar 10 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar kode E

Tabel 11 Hasil uji tekan bata ringan + mortar + keramik kode A

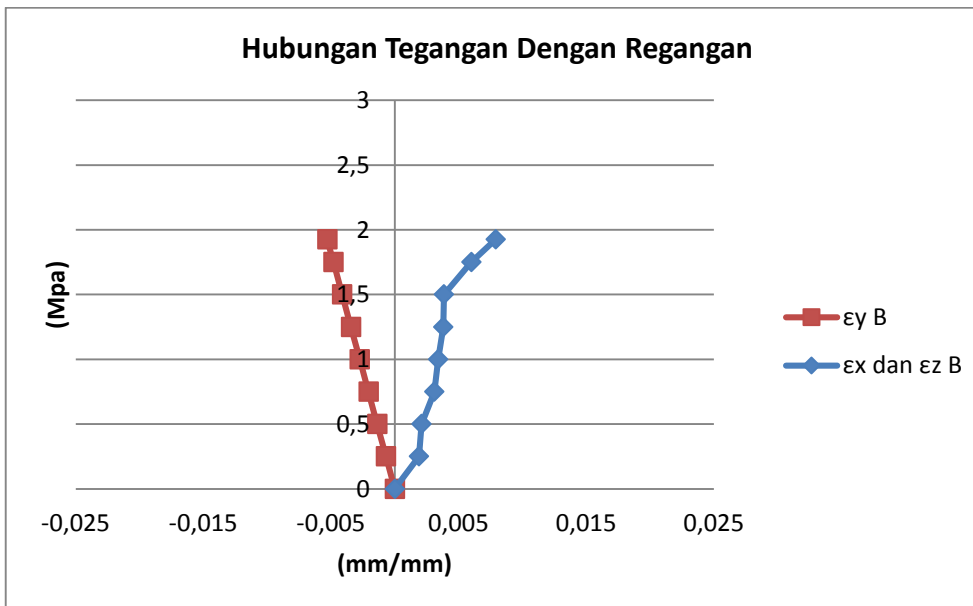
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	3.48	-0.41	0.0174	1.74
10	364.14	0.5	-0.001373	4.36	-0.82	0.0218	2.18
15	364.14	0.75	-0.00206	4.88	-1.24	0.0244	2.44
20	364.14	1	-0.002746	5.04	-1.65	0.0252	2.52
25	364.14	1.25	-0.003433	5.63	-2.06	0.02815	2.82
30	364.14	1.5	-0.004119	6.04	-2.47	0.0302	3.02
35	364.14	1.75	-0.004806	6.33	-2.88	0.03165	3.17
38.5	364.14	1.925	-0.005286	6.82	-3.17	0.0341	3.41



Gambar 11 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar + keramik kode A

Tabel 12 Hasil uji tekan bata ringan + mortar + keramik kode B

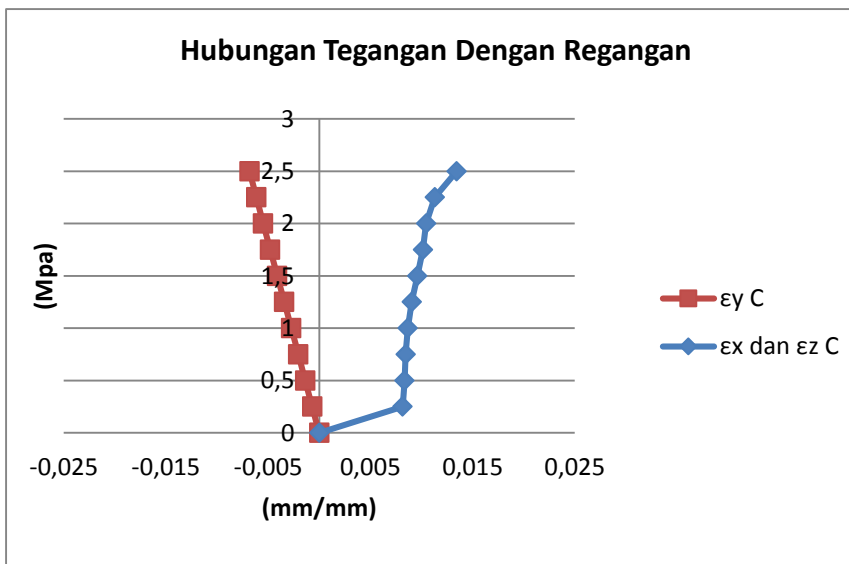
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	0.38	-0.41	0.0019	0.19
10	364.14	0.5	-0.001373	0.42	-0.82	0.0021	0.21
15	364.14	0.75	-0.00206	0.62	-1.24	0.0031	0.31
20	364.14	1	-0.002746	0.68	-1.65	0.0034	0.34
25	364.14	1.25	-0.003433	0.76	-2.06	0.0038	0.38
30	364.14	1.5	-0.004119	0.77	-2.47	0.00385	0.39
35	364.14	1.75	-0.004806	1.20	-2.88	0.006	0.60
38.5	364.14	1.925	-0.005286	1.58	-3.17	0.0079	0.79



Gambar 12 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar + keramik kode B

Tabel 13 Hasil uji tekan bata ringan + mortar + keramik kode C

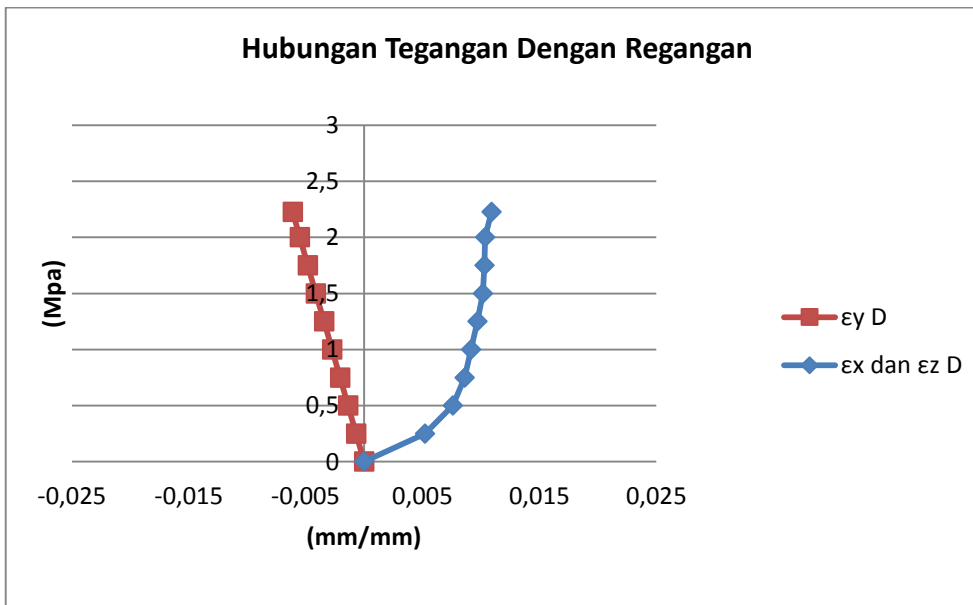
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta x$ (mm)	Total $\delta y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	1.63	-0.41	0.00815	0.82
10	364.14	0.5	-0.001373	1.67	-0.82	0.00835	0.84
15	364.14	0.75	-0.00206	1.69	-1.24	0.00845	0.85
20	364.14	1	-0.002746	1.73	-1.65	0.00865	0.87
25	364.14	1.25	-0.003433	1.81	-2.06	0.00905	0.91
30	364.14	1.5	-0.004119	1.92	-2.47	0.0096	0.96
35	364.14	1.75	-0.004806	2.03	-2.88	0.01015	1.02
40	364.14	2	-0.005492	2.09	-3.30	0.01045	1.05
45	365.14	2.25	-0.006162	2.26	-3.70	0.0113	1.13
50	366.14	2.5	-0.006828	2.69	-4.10	0.01345	1.35



Gambar 13 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar + keramik kode C

Tabel 14 Hasil uji tekan bata ringan + mortar + keramik kode D

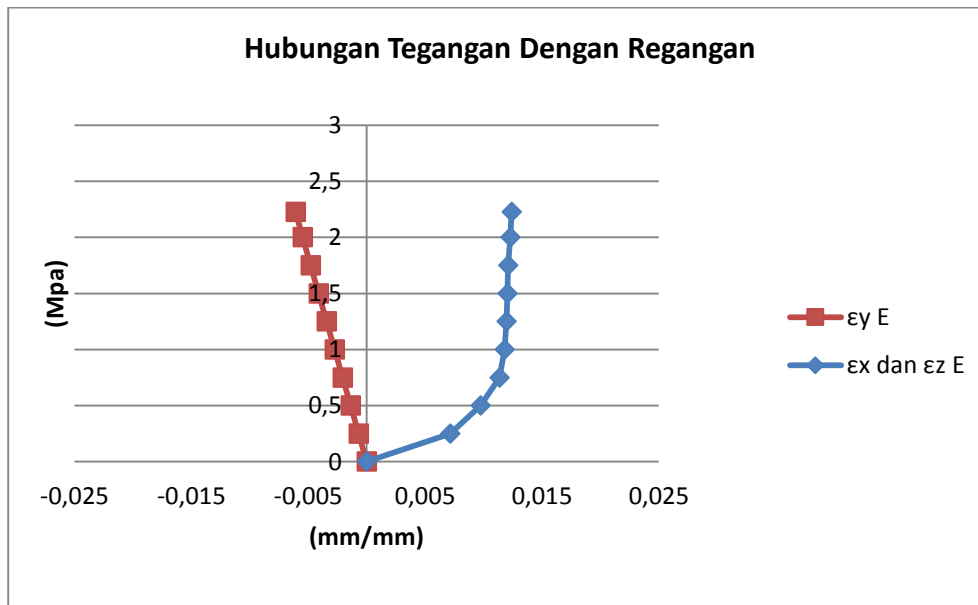
Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	1.04	-0.41	0.0052	0.52
10	364.14	0.5	-0.001373	1.52	-0.82	0.0076	0.76
15	364.14	0.75	-0.00206	1.72	-1.24	0.0086	0.86
20	364.14	1	-0.002746	1.83	-1.65	0.00915	0.92
25	364.14	1.25	-0.003433	1.94	-2.06	0.0097	0.97
30	364.14	1.5	-0.004119	2.03	-2.47	0.01015	1.02
35	364.14	1.75	-0.004806	2.06	-2.88	0.0103	1.03
40	364.14	2	-0.005492	2.07	-3.30	0.01035	1.04
44.5	365.14	2.225	-0.006094	2.18	-3.66	0.0109	1.09



Gambar 14 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar + keramik kode D

Tabel 15 Hasil uji tekan bata ringan + mortar + keramik kode E

Beban (kN)	E rata-rata	$\sigma$ (Mpa)	$\epsilon_y$	Total $\delta_x$ (mm)	Total $\delta_y$ (mm)	$\epsilon_x = \epsilon_z$	Total $\delta_z$ (mm)
0	0	0	0	0	0	0	0
5	364.14	0.25	-0.000687	1.43	-0.41	0.00715	0.72
10	364.14	0.5	-0.001373	1.95	-0.82	0.00975	0.98
15	364.14	0.75	-0.00206	2.27	-1.24	0.01135	1.14
20	364.14	1	-0.002746	2.36	-1.65	0.0118	1.18
25	364.14	1.25	-0.003433	2.39	-2.06	0.01195	1.20
30	364.14	1.5	-0.004119	2.41	-2.47	0.01205	1.21
35	364.14	1.75	-0.004806	2.42	-2.88	0.0121	1.21
40	364.14	2	-0.005492	2.46	-3.30	0.0123	1.23
44.5	365.14	2.225	-0.006094	2.48	-3.66	0.0124	1.24



Gambar 15 Grafik hubungan tegangan dan regangan arah x, y dan z pada bata ringan + mortar + keramik kode E

