

Hasil benda uji 1

Tabel 1 Hasil beban, Lendutan, Tegangan dan regangan

Tegangan (N/mm)	Regangan	Displacement (mm)	Force (N)
0	0	0	0
0.243398	7.56E-06	0.00584552	155
0.488644	1.52E-05	0.0350898	310
0.855615	2.66E-05	0.0927774	542.5
1.40569	4.37E-05	0.159491	891.25
2.23074	6.93E-05	0.254461	1414.38
3.37333	0.000113	0.403508	2199.06
3.76935	0.000143	0.464647	2493.32
3.90808	0.000155	0.488603	2603.67
4.08616	0.000178	0.52739	2769.19
4.18372	0.000261	0.595719	3017.47
4.18887	0.000279	0.623824	3110.57
4.22308	0.000371	0.634869	3145.49
4.23746	0.000356	0.652842	3197.86
4.24411	0.000218	0.692785	3276.42
4.25253	0.00032	0.777448	3394.25
4.27466	0.00039	0.952505	3571.01
4.27774	0.000234	1.02793	3637.29
4.28013	0.000338	1.13489	3736.71
4.28355	0.000308	1.17372	3774
4.28585	0.00024	1.2257	3829.92
4.28605	0.000249	1.29405	3913.81
4.29296	0.000401	1.40729	4039.65
4.29791	0.000345	1.60525	4228.4
4.31258	0.000405	1.8561	4511.52
4.60887	0.000419	2.11779	4936.21
5.16187	0.000479	2.46108	5573.24
6.03833	0.000643	3.02569	6528.79
6.37004	0.000715	3.2653	6887.12
6.49472	0.000743	3.3626	7021.5
6.68184	0.000789	3.57966	7223.06
6.96214	0.000864	4.22598	7525.4
7.24188	0.000947	5.2849	7827.74
7.52198	0.001036	6.42815	8130.08
7.94354	0.001184	7.65892	8583.6
8.04902	0.001222	7.93898	8696.98
8.15453	0.001261	8.20654	8810.35
8.31276	0.001321	8.60561	8980.42
8.3721	0.001344	8.75744	9044.2
8.46107	0.001379	8.99886	9139.86

Tegangan (N/mm)	Regangan	Displacement (mm)	Force (N)
8.59442	0.001433	9.40338	9283.35
8.79404	0.001518	10.1741	9498.6
9.09308	0.001651	11.5751	9821.46
9.39284	0.001792	12.839	10144.3
9.6931	0.001939	13.9211	10467.2
9.76815	0.001977	14.1908	10547.9
9.84326	0.002015	14.4534	10628.6
9.91836	0.002053	14.7104	10709.3
10.0309	0.002113	15.0832	10830.4
10.1434	0.002175	15.4443	10951.5
10.2557	0.002238	15.8001	11072.5
10.3681	0.002303	16.1537	11193.6
10.5363	0.002409	16.6783	11375.2
10.5993	0.00245	16.8752	11443.3
10.6937	0.002514	17.1718	11545.5
10.8352	0.002617	17.6262	11698.7
11.0461	0.002799	18.3335	11928.6
11.2517	0.00307	19.0762	12158.4
11.3023	0.003148	19.2641	12215.9
11.3523	0.003237	19.4548	12273.3
11.425	0.003403	19.75	12359.5
11.53	0.003731	20.2104	12488.8
11.655	0.004857	21.017	12682.8
11.7742	0.006667	21.9307	12876.7
11.8162	0.007573	22.3914	12973.7
11.8268	0.007796	22.5067	12997.9
11.8502	0.0081	22.677	13034.3
11.8937	0.008504	22.9284	13088.8
11.9667	0.009035	23.3004	13170.6
11.9879	0.009163	23.3934	13191.1
12.0122	0.009288	23.4858	13211.5
12.0536	0.009469	23.6228	13242.2
12.1211	0.009729	23.8254	13288.3
12.2089	0.010098	24.1232	13357.3
12.2775	0.010855	24.5623	13460.8
12.2801	0.010936	24.6034	13470.5
12.2861	0.010804	24.6649	13485.1
12.2888	0.010626	24.688	13490.6
12.2896	0.011057	24.7232	13498.8
12.2954	0.010676	24.7752	13511
12.3048	0.01075	24.8532	13529.5
12.3057	0.011233	24.97	13557.1
12.3082	0.010777	25.1453	13598.6

Tegangan (N/mm)	Regangan	Displacement (mm)	Force (N)
12.3542	0.011498	25.4092	13660.8
12.451	0.01189	25.8086	13754.1
12.5787	0.012462	26.4053	13894
12.6158	0.012675	26.6319	13946.5
12.6508	0.013131	26.9748	14025.2
12.6509	0.012996	27.0071	14032.6
12.6536	0.013026	27.0557	14043.7
12.6542	0.013192	27.1288	14060.3
12.6574	0.013071	27.2017	14076.9
12.6581	0.013254	27.2749	14093.5
12.6652	0.013345	27.385	14118.4
12.6847	0.013483	27.5503	14155.8
12.6906	0.013518	27.5916	14165.1
12.6968	0.013553	27.6331	14174.5
12.707	0.013605	27.6953	14188.5
12.7249	0.013684	27.7875	14209.5
12.7546	0.013802	27.9277	14241
12.798	0.013981	28.1388	14288.3
12.8133	0.014048	28.2183	14306
12.8333	0.014149	28.3377	14332.6
12.8403	0.014187	28.3826	14342.6
12.85	0.014244	28.4492	14357.6
12.8627	0.014329	28.5502	14380
12.867	0.014362	28.5882	14388.4
12.8729	0.01441	28.6453	14401
12.8792	0.01448	28.7314	14420
12.898	0.014553	28.8176	14438.9
12.9164	0.014627	28.904	14457.8
12.9418	0.014736	29.034	14486.2
12.9771	0.014899	29.2302	14528.9
13.0303	0.015144	29.5275	14592.8
13.0436	0.015479	29.97	14688.6
13.0536	0.015817	30.4244	14784.5
13.0719	0.016154	30.8872	14880.4
13.4139	0.016667	31.5349	15024.1
13.7176	0.01718	32.2111	15167.9
13.8142	0.018284	32.8997	15311.7
13.8275	0.018225	33.3701	15405.9
13.8364	0.01818	33.4908	15429.4
13.8486	0.018151	33.5366	15438.2
13.8739	0.018136	33.5538	15441.5
13.8849	0.017678	33.5603	15442.8
13.8911	0.018127	33.57	15444.6

Tegangan (N/mm)	Regangan	Displacement (mm)	Force (N)
13.896	0.018119	33.5847	15447.4
13.8978	0.018113	33.6067	15451.6
13.8986	0.018109	33.64	15457.9
13.9008	0.018098	33.69	15467.3
13.9053	0.01807	33.7654	15481.5
13.9115	0.017994	33.8647	15500

Tabel 2 Hasil Konvergensi Benda Uji 1

no	meshing	jumlah element	displacement
1	120	1188	54,1051
2	110	1242	54,7549
3	100	1292	50,7432
4	90	1522	29,9139
5	80	2295	35,7224
6	70	2677	26,4957
7	60	3078	22,8183
8	50	4606	19,9765
9	40	7767	9,95129

Tabel 3 Hasil beban, Lendutan, Tegangan dan Regangan

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
0	0	0	0
400	0.098542	0.020288	2.12E-06
1500	1.535644	0.045779	5.49E-06
2500	2.89606	0.080151	9.63E-06
4000	4.7897	0.040894	1.33E-05
6200	7.62416	0.081695	2.72E-05
8100	11.95338	0.142943	4.76E-05
11050	21.7166	0.204197	6.8E-05
11775	23.2156	0.357337	0.000119
12212.5	23.6564	0.495152	0.000165
12451.6	24.2136	0.701861	0.000234
12760.2	26.012	1.01192	0.000337
13400.9	26.965	1.12815	0.000375
15162	30.0546	1.18738	0.000405
15102.2	30.1324	1.53223	0.000489
15162.3	30.1374	2.38335	0.000704
15122.4	30.1426	2.62415	0.001103
15112.5	30.1504	2.75836	0.001452

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15147.6	30.1628	2.87958	0.001815
15198.3	30.1828	2.86548	0.002274
15074.3	30.2152	2.81368	0.002706
15347.4	30.2686	2.77289	0.003019
15347.3	30.2686	2.75125	0.003202
15347	30.2686	2.74342	0.00327
15346.7	30.2686	2.74043	0.003295
15346.6	30.2686	2.73912	0.003305
15346.5	30.2686	2.73885	0.003307
15346.4	30.2686	2.73757	0.003308
15346.3	30.2686	2.73801	0.003308
15345.8	30.2686	2.73649	0.003308
15345.2	30.2686	2.738	0.003308
15344.7	30.2686	2.738	0.003308
15342.6	30.2686	2.73801	0.003308
15341.1	30.2686	2.73802	0.003308
15337.3	30.2686	2.73806	0.003308
15333.5	30.2686	2.7381	0.003308
15325.9	30.2686	2.73812	0.003308
15320.8	30.2686	2.73819	0.003308
15307.3	30.2686	2.73824	0.003308
15271.2	30.2686	2.73867	0.003308
15247.2	30.2686	2.73838	0.003308
15231.1	30.2686	2.7384	0.003308
15188.4	30.2686	2.73856	0.003308
15348.2	30.2688	2.63948	0.003309
15348	30.2688	2.63991	0.003309
15347.9	30.2688	2.64015	0.003309
15347.6	30.2688	2.64054	0.003309
15348.4	30.269	2.64048	0.003309
15348.5	30.2692	2.64091	0.003309
15348.7	30.2694	2.64138	0.003309
15348.9	30.2698	2.64106	0.003309
15349.2	30.2704	2.64127	0.003309
15349.2	30.2712	2.64187	0.003309
15349.2	30.2726	2.64155	0.003309
15349.2	30.2744	2.64219	0.003309
15349.2	30.2774	2.6419	0.003309
15349.2	30.2818	2.64203	0.003309
15349.2	30.2886	2.64242	0.003309
15349.3	30.2986	2.64221	0.003309
15349.3	30.3142	2.64257	0.003309
15349.4	30.32	2.64265	0.003309

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15349.5	30.329	2.64245	0.003309
15349.7	30.3424	2.64284	0.003309
15349.8	30.3474	2.64254	0.003309
15349.9	30.3552	2.64267	0.003309
15350	30.3668	2.64286	0.003309
15350.3	30.3844	2.64395	0.003309
15350.4	30.391	2.64293	0.003309
15350.5	30.4012	2.6433	0.003309
15350.7	30.4164	2.64303	0.003309
15350.8	30.422	2.64317	0.003309
15350.9	30.4306	2.64338	0.003309
15351	30.4436	2.64466	0.003309
15351.1	30.4486	2.64345	0.003309
15351.2	30.456	2.64357	0.003309
15351.2	30.467	2.64372	0.003309
15351.3	30.4712	2.64378	0.003309
15351.4	30.4774	2.64387	0.003309
15351.5	30.4868	2.64399	0.003309
15351.6	30.5012	2.64422	0.003309
15351.7	30.5064	2.64416	0.003309
15351.8	30.5144	2.64442	0.003309
15352	30.5266	2.64431	0.003309
15352	30.531	2.64453	0.003309
15352.1	30.538	2.64447	0.003309
15352.2	30.5482	2.73612	0.003309
15352.3	30.552	2.64573	0.003309
15352.3	30.5578	2.64723	0.00331
15352.4	30.5664	2.73603	0.00331
15352.6	30.5796	2.7362	0.003311
15352.7	30.5844	2.65407	0.003311
15352.8	30.5918	2.65761	0.003312
15352.8	30.6028	2.6595	0.003312
15352.9	30.607	2.66074	0.003312
15353.1	30.6132	2.66192	0.003312
15353.1	30.6226	2.66372	0.003313
15353.2	30.626	2.66294	0.003313
15353.3	30.6312	2.66333	0.003313
15353.3	30.6392	2.66376	0.003313
15353.4	30.651	2.66435	0.003313
15353.5	30.6554	2.6639	0.003313
15353.7	30.6622	2.66396	0.003313
15353.7	30.6722	2.6641	0.003313
15353.8	30.676	2.66417	0.003313

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15353.9	30.6816	2.66422	0.003313
15354	30.69	2.66509	0.003313
15354	30.6932	2.66448	0.003313
15354.1	30.698	2.66558	0.003313
15354.2	30.705	2.66443	0.003313
15354.2	30.7158	2.66436	0.003313
15354.3	30.7198	2.66592	0.003313
15354.4	30.7258	2.66445	0.003313
15354.5	30.7348	2.66616	0.003313
15354.6	30.7382	2.66446	0.003313
15354.7	30.7434	2.66445	0.003313
15354.7	30.751	2.66442	0.003313
15354.8	30.7538	2.66683	0.003313
15354.9	30.758	2.66731	0.003313
15354.9	30.7644	2.66764	0.003314
15354.9	30.774	2.66857	0.003314
15355	30.7776	2.66922	0.003314
15355.1	30.783	2.66967	0.003314
15355.2	30.7912	2.73594	0.003314
15355.2	30.7942	2.6709	0.003314
15355.3	30.7988	2.67174	0.003314
15355.4	30.8056	2.67231	0.003314
15356	30.8158	2.6727	0.003314
15355.9	30.8158	2.67375	0.003315
15355.9	30.8158	2.67445	0.003315
15355.8	30.8158	2.67491	0.003315
15355.8	30.8158	2.67617	0.003315
15355.8	30.8158	2.67702	0.003315
15355.8	30.8158	2.67759	0.003315
15355.9	30.8158	2.67796	0.003315
15355.9	30.8158	2.67898	0.003316
15356	30.8158	2.67965	0.003316
15356	30.8158	2.6801	0.003316
15355.9	30.8158	2.68138	0.003316
15355.8	30.8158	2.68229	0.003316
15355.8	30.8158	2.68288	0.003316
15355.7	30.8158	2.68445	0.003317
15355.7	30.8158	2.68546	0.003317
15355.7	30.8158	2.68598	0.003317
15355.7	30.8158	2.68621	0.003317
15355.6	30.8158	2.68683	0.003317
15355.5	30.8158	2.68709	0.003317
15355.5	30.8158	2.68709	0.003317

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15355.4	30.8158	2.68802	0.003318
15356	30.816	2.68968	0.003319
15356.1	30.816	2.73474	0.003319
15356.1	30.816	2.69179	0.00332
15356	30.816	2.69296	0.00332
15356.3	30.8162	2.69325	0.00332
15356.2	30.8162	2.69384	0.00332
15356.3	30.8164	2.69425	0.00332
15356.3	30.8168	2.69454	0.00332
15356.4	30.8172	2.69535	0.003321
15356.5	30.8178	2.69592	0.003321
15356.5	30.8188	2.69748	0.003321
15356.6	30.8202	2.69847	0.003321
15356.6	30.8224	2.69909	0.003322
15356.7	30.8258	2.69948	0.003322
15356.7	30.8306	2.70047	0.003322
15356.8	30.8326	2.70071	0.003322
15356.8	30.8354	2.70106	0.003322
15356.9	30.8394	2.70484	0.003323
15356.9	30.8456	2.70841	0.003323
15357	30.848	2.71038	0.003323
15357	30.8516	2.71229	0.003323
15357.1	30.8568	2.71247	0.003323
15357.1	30.8588	2.71262	0.003323
15357.2	30.8616	2.71242	0.003323
15357.2	30.866	2.71305	0.003323
15357.3	30.8726	2.71319	0.003323
15357.3	30.8752	2.71331	0.003323
15357.4	30.8788	2.71301	0.003324
15357.4	30.8844	2.71355	0.003324
15357.5	30.8864	2.71451	0.003324
15357.5	30.8896	2.71374	0.003324
15357.6	30.8942	2.714	0.003324
15357.6	30.896	2.71519	0.003324
15357.6	30.8986	2.71445	0.003324
15357.7	30.9026	2.71603	0.003324
15357.7	30.9084	2.71576	0.003324
15357.8	30.9106	2.71679	0.003324
15357.8	30.914	2.71658	0.003324
15357.9	30.919	2.73327	0.003325
15357.9	30.9208	2.71692	0.003325
15357.9	30.9236	2.71708	0.003325
15358	30.9278	2.71807	0.003325

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15358	30.9294	2.71753	0.003325
15358	30.9316	2.71776	0.003325
15358.1	30.9352	2.71873	0.003325
15358.1	30.9404	2.71786	0.003325
15358.1	30.9424	2.71804	0.003325
15358.1	30.9454	2.71904	0.003325
15358.2	30.9498	2.71839	0.003325
15358.2	30.9514	2.71874	0.003325
15358.2	30.9538	2.71853	0.003325
15358.3	30.9576	2.71899	0.003325
15358.3	30.9632	2.71913	0.003325
15358.4	30.9652	2.71893	0.003325
15358.4	30.9684	2.71912	0.003325
15358.4	30.973	2.71984	0.003325
15358.5	30.9748	2.72215	0.003325
15358.5	30.9774	2.72138	0.003326
15358.5	30.9812	2.72272	0.003327
15358.5	30.9828	2.72593	0.003328
15358.6	30.985	2.72927	0.003329
15358.6	30.9882	2.73336	0.00333
15358.6	30.9932	2.73211	0.00333
15358.7	30.995	2.7308	0.00333
15358.7	30.9978	2.73565	0.003331
15358.7	31.002	2.73144	0.003331
15358.8	31.0036	2.73866	0.003331
15358.8	31.0058	2.73175	0.003331
15358.9	31.0094	2.73922	0.003331
15358.9	31.0106	2.7393	0.003331
15358.9	31.0126	2.73952	0.003331
15359	31.0156	2.73235	0.003331
15359	31.02	2.73448	0.003332
15359	31.0216	2.73284	0.003333
15359	31.024	2.73262	0.003333
15359	31.0278	2.73308	0.003333
15359	31.0292		
15359	31.0312		
15359.1	31.0342		
15359.1	31.039		
15359.1	31.0406		
15359.1	31.0432		
15359.1	31.0472		
15359.2	31.0486		
15359.2	31.0508		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15359.2	31.054		
15359.3	31.0552		
15359.3	31.0572		
15359.3	31.0598		
15359.4	31.064		
15359.4	31.0656		
15359.5	31.0678		
15359.5	31.0714		
15359.5	31.0726		
15359.6	31.0746		
15359.6	31.0774		
15359.6	31.0818		
15359.6	31.0834		
15359.7	31.0858		
15359.7	31.0896		
15359.8	31.091		
15359.8	31.093		
15359.8	31.096		
15359.8	31.0972		
15359.9	31.099		
15359.9	31.1014		
15360	31.1054		
15360	31.1068		
15360	31.109		
15360.1	31.1122		
15360.1	31.1134		
15360.1	31.1152		
15360.2	31.118		
15360.2	31.119		
15360.2	31.1206		
15360.2	31.1228		
15360.3	31.1262		
15360.3	31.1276		
15360.3	31.1294		
15360.4	31.1324		
15360.4	31.1334		
15360.4	31.135		
15360.5	31.1374		
15360.5	31.141		
15360.5	31.1424		
15360.5	31.1444		
15360.6	31.1474		
15360.6	31.1486		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15360.6	31.1502		
15360.7	31.1528		
15360.7	31.1538		
15360.7	31.1552		
15360.7	31.1574		
15360.8	31.1606		
15360.8	31.1618		
15360.8	31.1636		
15360.8	31.1662		
15360.8	31.1672		
15360.8	31.1688		
15360.8	31.171		
15360.8	31.1744		
15360.8	31.1756		
15360.8	31.1776		
15360.8	31.1804		
15360.8	31.1814		
15360.8	31.183		
15360.8	31.1854		
15360.8	31.1864		
15360.8	31.1876		
15360.9	31.1896		
15360.9	31.1926		
15360.9	31.1938		
15361	31.1954		
15361	31.198		
15361	31.199		
15361.1	31.2004		
15361.1	31.2024		
15361.1	31.2056		
15361.1	31.2068		
15361.2	31.2086		
15361.2	31.2112		
15361.2	31.2122		
15361.2	31.2138		
15361.2	31.216		
15361.2	31.2168		
15361.3	31.218		
15361.3	31.22		
15361.3	31.2228		
15361.3	31.2238		
15361.3	31.2254		
15361.3	31.2276		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15361.3	31.2286		
15361.3	31.2298		
15361.3	31.2318		
15361.3	31.2326		
15361.3	31.2338		
15361.3	31.2354		
15361.3	31.2378		
15361.3	31.2388		
15361.4	31.2402		
15361.4	31.2422		
15361.4	31.243		
15361.4	31.2442		
15361.4	31.246		
15361.4	31.2486		
15361.5	31.2496		
15361.5	31.251		
15361.5	31.2532		
15361.5	31.254		
15361.5	31.2552		
15361.5	31.2572		
15361.5	31.2578		
15361.5	31.2588		
15361.6	31.2604		
15361.6	31.2626		
15361.6	31.2636		
15361.6	31.2648		
15361.7	31.2668		
15361.7	31.2676		
15361.7	31.2686		
15361.7	31.2702		
15361.7	31.2726		
15361.7	31.2736		
15361.7	31.275		
15361.7	31.277		
15361.7	31.2778		
15361.7	31.279		
15361.7	31.2806		
15361.7	31.2814		
15361.8	31.2822		
15361.8	31.2838		
15361.8	31.2858		
15361.8	31.2866		
15361.8	31.2878		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15361.8	31.2898		
15361.9	31.2904		
15361.9	31.2914		
15361.9	31.293		
15361.9	31.2952		
15361.9	31.296		
15361.9	31.2974		
15361.9	31.2992		
15361.9	31.3		
15361.9	31.301		
15361.9	31.3026		
15361.9	31.3032		
15361.9	31.3042		
15361.9	31.3054		
15361.9	31.3076		
15362	31.3082		
15362	31.3094		
15362	31.311		
15362	31.3118		
15362	31.3126		
15362	31.314		
15362	31.3162		
15362.1	31.317		
15362.1	31.3182		
15362.1	31.32		
15362.1	31.3206		
15362.2	31.3216		
15362.2	31.3232		
15362.2	31.3238		
15362.2	31.3246		
15362.3	31.3258		
15362.3	31.3276		
15362.3	31.3284		
15362.3	31.3294		
15362.3	31.331		
15362.3	31.3316		
15362.3	31.3326		
15362.3	31.3338		
15362.3	31.3358		
15362.3	31.3366		
15362.4	31.3376		
15362.4	31.3394		
15362.4	31.34		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15362.4	31.3408		
15362.4	31.3422		
15362.5	31.3428		
15362.5	31.3436		
15362.5	31.3448		
15362.5	31.3466		
15362.6	31.3472		
15362.6	31.3482		
15362.6	31.3496		
15362.6	31.3502		
15362.6	31.351		
15362.6	31.3522		
15362.7	31.354		
15362.7	31.3548		
15362.7	31.3558		
15362.7	31.3574		
15362.7	31.358		
15362.8	31.3588		
15362.8	31.3602		
15362.8	31.3606		
15362.8	31.3614		
15362.8	31.3624		
15362.9	31.364		
15362.9	31.3646		
15362.9	31.3656		
15362.9	31.367		
15362.9	31.3674		
15363	31.3682		
15363	31.3694		
15363	31.3712		
15363	31.3718		
15363	31.3728		
15363.1	31.3742		
15363.1	31.3748		
15363.1	31.3756		
15363.1	31.3768		
15363.1	31.3772		
15363.2	31.3778		
15363.2	31.3788		
15363.2	31.3804		
15363.2	31.381		
15363.2	31.3818		
15363.3	31.3832		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15363.3	31.3836		
15363.3	31.3844		
15363.3	31.3854		
15363.3	31.387		
15363.3	31.3876		
15363.3	31.3884		
15363.3	31.3898		
15363.3	31.3904		
15363.3	31.391		
15363.4	31.3922		
15363.4	31.3926		
15363.4	31.3932		
15363.4	31.3942		
15363.4	31.3956		
15363.4	31.3962		
15363.5	31.397		
15363.5	31.3982		
15363.5	31.3986		
15363.5	31.3992		
15363.5	31.4002		
15363.5	31.4018		
15363.5	31.4024		
15363.5	31.4032		
15363.5	31.4044		
15363.5	31.4048		
15363.6	31.4056		
15363.6	31.4066		
15363.6	31.407		
15363.6	31.4076		
15363.6	31.4086		
15363.7	31.4098		
15363.7	31.4104		
15363.7	31.411		
15363.7	31.4122		
15363.7	31.4126		
15363.7	31.4132		
15363.8	31.4142		
15363.8	31.4156		
15363.8	31.416		
15363.8	31.4168		
15363.8	31.418		
15363.8	31.4184		
15363.9	31.4192		

Force (N)	Displacement (mm)	Tegangan (N/mm)	Regangan
15363.9	31.42		
15363.9	31.4204		
15363.9	31.421		
15363.9	31.4218		
15364	31.423		
15364	31.4236		
15364	31.4242		
15364	31.4252		
15364	31.4256		
15364	31.4262		
15500	31.4262		

Tabel 4 Hasil Konvergensi Benda Uji 2

no	mesh	Jumlah lement	Displacement
9	150	1138	29,7875
8	140	1498	48,3791
7	130	1546	4,8157
6	120	1980	12,4743
5	110	2103	4,20238
4	100	2151	7,67246
3	90	2461	4,67699
2	80	3810	2,40531
1	70	4231	9,08456