

LAMPIRAN 1

Data Beban dan Lendutan Panel Lapis Gedek Tanpa Lerak Variasi 1

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,010	0,043	0,120
10	0,019	0,086	0,240
15	0,067	0,215	0,381
20	0,114	0,344	0,523
25	0,220	0,457	0,634
30	0,325	0,570	0,745
35	0,447	0,712	0,838
40	0,568	0,854	0,932
45	0,709	1,002	1,054
50	0,849	1,149	1,175
55	0,963	1,282	1,315
60	1,077	1,414	1,454
65	1,187	1,547	1,591
70	1,296	1,679	1,727
75	1,425	1,804	1,872
80	1,554	1,928	2,016
85	1,673	2,076	2,138
90	1,792	2,223	2,260
95	1,919	2,346	2,402
100	2,045	2,468	2,544
105	2,167	2,581	2,654
110	2,289	2,694	2,764
115	2,405	2,805	2,916
120	2,521	2,916	3,067
125	2,647	3,042	3,175
130	2,773	3,167	3,282
135	2,896	3,292	3,395
140	3,019	3,417	3,507
145	3,145	3,576	3,634
150	3,270	3,715	3,760
155	3,391	3,942	3,859
160	3,512	4,168	3,958
165	3,640	4,320	4,140
170	3,767	4,472	4,321
175	3,901	4,697	4,457
180	4,034	4,921	4,592
185	4,164	5,051	4,722
190	4,293	5,180	4,851
195	4,423	5,310	4,981
200	4,552	5,437	5,108
205	4,678	5,563	5,234

210	4,803	5,692	5,363
215	4,936	5,824	5,495
220	5,068	5,962	5,633
225	5,211	6,105	5,776
230	5,354	6,268	5,939
235	5,538	6,452	6,123
240	5,722	6,647	6,318
245	5,928	6,853	6,524
250	6,133	7,167	6,838
255	6,557	7,591	
260	6,980		



LAMPIRAN 2

Data Beban dan Lendutan Panel Lapis Gedek Lerak 100 cc Variasi 1

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,176	0,103	0,220
10	0,324	0,227	0,360
15	0,525	0,339	0,515
20	0,685	0,467	0,681
25	0,844	0,591	0,803
30	1,030	0,734	0,948
35	1,188	0,889	1,082
40	1,377	1,009	1,190
45	1,557	1,135	1,322
50	1,756	1,257	1,479
55	1,929	1,396	1,618
60	2,094	1,528	1,747
65	2,296	1,669	1,899
70	2,479	1,808	2,017
75	2,669	1,948	2,215
80	2,867	2,103	2,396
85	3,048	2,269	2,593
90	3,245	2,391	2,851
95	3,503	2,536	3,102
100	3,754	2,670	3,332
105	3,984	2,778	3,562
110	4,214	2,910	3,879
115	4,531	3,067	4,145
120	4,797	3,206	4,382
125	5,034	3,335	4,666
130	5,318	3,487	4,914
135	5,566	3,605	5,222
140	5,874	3,750	5,460
145	6,112	3,900	5,650
150	6,437	4,128	5,910
155	6,697	4,326	6,216
160	7,003	4,507	6,540
165	7,327	4,704	6,849
170	7,636	4,962	7,229
175	8,016	5,213	7,549
180	8,336	5,443	7,955
185	8,742	5,673	8,320
190	9,107	5,990	8,645
195	9,432	6,256	9,109
200	9,896	6,493	9,625
205	10,412	6,777	10,246

210	11,033	7,025	10,692
215	11,479	7,333	11,284
220	12,071	7,571	11,656
225	12,443	8,092	
230	12,964	8,469	
235	13,341	9,287	
240	14,159	10,341	
245	15,213		



LAMPIRAN 3

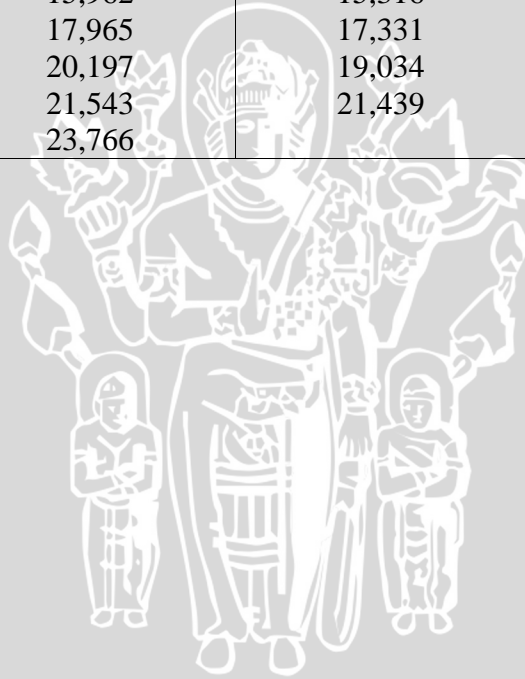
Data Beban dan Lendutan Panel Lapis Gedek Tanpa 200 cc Variasi 1

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,750	0,160	0,174
10	1,500	0,698	0,354
15	2,286	1,181	0,514
20	3,071	1,697	0,722
25	3,727	2,258	0,869
30	4,383	3,251	1,046
35	5,149	4,230	1,350
40	5,914	5,230	1,776
45	6,889	6,317	2,648
50	7,863	7,266	3,401
55	8,509	8,237	4,160
60	9,155	9,284	5,319
65	9,866	10,248	6,372
70	10,577	11,308	7,158
75	11,207	12,306	8,198
80	11,836	13,324	9,181
85	12,603	14,309	10,197
90	13,369	15,380	11,258
95	14,261	16,320	12,251
100	15,153	17,406	13,230
105	15,954	18,365	14,230
110	16,755	19,325	15,317
115	17,511	20,464	16,266
120	18,267	21,516	17,237
125	19,242	22,621	18,284
130	20,217		19,248
135	20,869		20,308
140	21,520		21,238
145	22,383		22,260
150	23,246		
155	24,456		

LAMPIRAN 4

Data Beban dan Lendutan Panel Lapis Gedek Tanpa 300 cc Variasi 1

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,302	0,213	0,250
10	1,411	0,721	1,307
15	2,766	2,599	2,738
20	4,102	4,675	4,591
25	5,432	6,691	5,786
30	7,654	8,902	7,567
35	9,145	10,371	9,057
40	11,342	12,347	10,183
45	13,675	13,768	12,336
50	15,962	15,316	14,515
55	17,965	17,331	16,675
60	20,197	19,034	18,826
65	21,543	21,439	21,021
70	23,766		22,652



LAMPIRAN 5

Data Beban dan Lendutan Panel Lapis Gedek Tanpa Lerak Variasi 2

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,192	0,102	0,123
10	0,384	0,203	0,237
15	0,599	0,339	0,289
20	0,813	0,474	0,400
25	1,036	0,617	0,482
30	1,258	0,76	0,560
35	1,475	0,907	0,616
40	1,692	1,053	0,707
45	1,872	1,185	0,754
50	2,052	1,317	0,819
55	2,332	1,509	0,849
60	2,611	1,701	1,001
65	2,929	1,874	1,249
70	3,446	2,047	1,451
75	4,002	2,203	1,754
80	4,522	2,359	2,229
85	5,101	2,526	2,559
90	5,579	2,800	3,096
95	6,060	3,146	3,514
100	6,409	3,598	4,046
105	7,124	3,981	4,577
110	7,500	4,604	5,128
115	8,082	5,124	5,474
120	8,567	5,598	6,002
125	9,110	6,122	6,555
130	9,574	6,764	7,026
135	10,086	7,240	7,458
140	10,586	7,735	7,997
145	11,212	8,315	8,551
150	11,734	8,918	9,100
155	12,110	9,507	9,719
160	12,599	10,284	10,094
165	13,234	10,933	10,468
170	13,711	11,593	10,994
175	14,149	12,265	11,347
180	14,801	13,043	12,061
185	15,351	13,855	12,688
190	15,854	14,596	13,244
195	16,500	15,267	13,786
200	17,114	16,109	14,301
205		16,764	15,032

210	18,285	15,798
215	19,222	17,212
220		18,403
225		19,367



LAMPIRAN 6

Data Beban dan Lendutan Panel Lapis Gedek Lerak 100 cc Variasi 2

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,071	0,116	0,273
10	0,153	0,205	0,544
15	0,595	0,406	0,894
20	0,965	0,569	1,232
25	1,422	0,745	1,554
30	1,880	0,915	1,909
35	2,459	1,088	2,281
40	3,030	1,233	2,621
45	3,654	1,428	3,040
50	4,236	1,662	3,422
55	4,656	1,891	3,829
60	5,170	2,118	4,281
65	5,646	2,572	4,638
70	6,124	2,781	4,943
75	6,617	3,184	5,221
80	7,000	3,593	5,494
85	7,440	3,952	5,849
90	7,946	4,315	6,136
95	8,398	4,664	6,462
100	8,898	5,021	6,765
105	9,281	5,379	7,111
110	9,904	5,755	7,439
115	10,424	6,137	7,792
120	10,898	6,522	8,095
125	11,422	6,866	8,463
130	12,064	7,211	8,874
135	12,540	7,629	9,188
140	13,035	8,115	9,547
145	13,615	8,576	9,956
150	14,218	8,989	10,356
155	14,807	9,459	10,731
160	15,584	9,885	11,105
165	16,233	10,365	11,510
170	16,893	10,854	11,984
175	17,565	11,489	12,385
180	18,343	11,966	12,758
185	19,155	12,404	13,245
190	19,896	13,056	13,658
195	20,567	13,606	14,370
200	21,409	14,109	14,965
205	22,064	14,584	

210	23,585	15,369	
215	25,522	16,489	
220		17,264	



LAMPIRAN 7

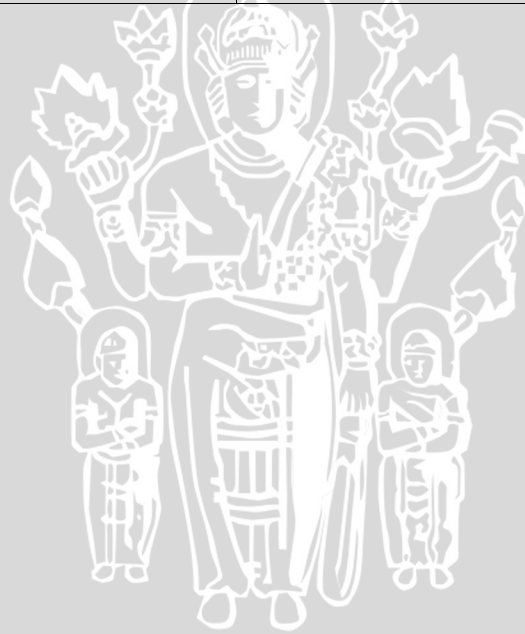
Data Beban dan Lendutan Panel Lapis Gedek Tanpa 200 cc Variasi 2

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	0,320	0,207	0,549
10	0,500	0,579	1,243
15	0,750	1,078	1,989
20	0,868	1,489	2,742
25	1,273	1,976	3,417
30	1,766	2,446	4,311
35	2,459	2,987	4,945
40	3,647	3,578	5,554
45	4,534	3,992	6,128
50	5,138	4,678	6,789
55	6,242	5,424	7,514
60	7,442	6,367	8,011
65	8,642	7,211	8,862
70	9,445	8,195	9,643
75	10,298	9,476	10,424
80	11,242	10,375	11,200
85	12,365	11,256	11,994
90	13,241	11,921	12,846
95	14,436	12,911	13,576
100	15,666	13,657	14,220
105	16,414	14,344	15,342
110	17,442	15,021	16,211
115	18,542	16,187	17,014
120	19,624	17,624	17,998
125	20,756	19,342	19,254
130	21,541	20,997	
135	22,487		

LAMPIRAN 8

Data Beban dan Lendutan Panel Lapis Gedek Tanpa 300 cc Variasi 2

Beban (kg)	Lendutan (mm)		
	Panel 1	Panel 2	Panel 3
0	0,000	0,000	0,000
5	1,243	0,254	0,732
10	2,542	0,889	1,645
15	4,267	2,600	3,677
20	7,642	4,712	6,001
25	10,500	6,767	8,998
30	12,985	8,888	11,645
35	15,987	11,902	14,892
40	18,102	15,039	17,757
45	20,524	19,290	20,704
50	22,880	22,902	21,920
55	25,236	23,212	



LAMPIRAN 9

Tabel Distribusi-F dengan probabilitas 0,05

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.05	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
16	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
18	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
26	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
28	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.28	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
36	4.12	3.27	2.87	2.64	2.48	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.48	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
38	4.09	3.24	2.85	2.61	2.45	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
46	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

LAMPIRAN 10

Analisis Regresi Berat dengan SPSS

berat

Quadratic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.373	.947	.942	1.437

The independent variable is lerak.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regression	849.780	2	422.890	138.659	.000
Residual	47.073	21	2.242		
Total	896.853	23			

The independent variable is lerak.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
lerak	-.076	.010	-.1391	-7.930	.000
lerak** 2	7.742E 6	.000	.444	2.533	.019
(Constant)	29.351	.596		49.269	.000



LAMPIRAN 11

Analisis Regresi Beban Batas dengan SPSS

beban

Quadratic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.935	.930	.924	20.743

The independent variable is lerak.

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Regressor	123828.200	2	61914.100	140.403	.003
Residual	3035.800	21	140.276		
Total	123864.000	23			

The independent variable is lerak.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
lerak	-.109	.133	-.135	-.821	.421
lerak** 2	-.002	.000	-.805	-3.995	.001
(Constant)	239.033	3.254		28.963	.003



LAMPIRAN 12

Analisis Regresi Lendutan dengan SPSS

lendutan

Quadratic

Model Summary

R	R Square	Adjusted R Square	Std. Error of the Estimate
.729	.531	.487	4.204

The independent variable is le rak.

ANOVA

	Sum of Squares	Df	Mean Square	F	Sig.
Regression	420.556	2	210.278	11.696	.000
Residual	371.218	21	17.677		
Total	791.775	23			

The independent variable is le rak.

Coefficients

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
le rak	.053	.027	1.021	1.671	.052
le rak** 2	5.270E 5	.000	.321	.614	.546
(Constant)	12.513	1.673		7.479	.000



LAMPIRAN 13

Foto-foto Penelitian :



Gambar 1. Pemerasan sari buah lerak



Gambar 2. Pembuatan panel lapis gedek



Gambar 3. Pengujian lentur panel lapis gedek



Gambar 4. Peninjauan retakan panel lapis gedek