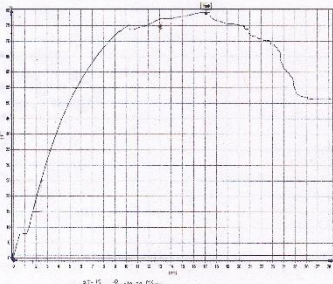


LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	79,26	



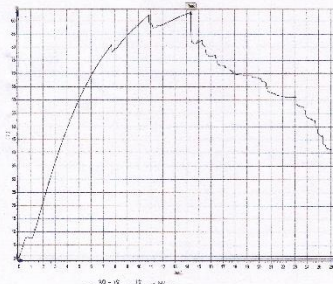
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	93,64	



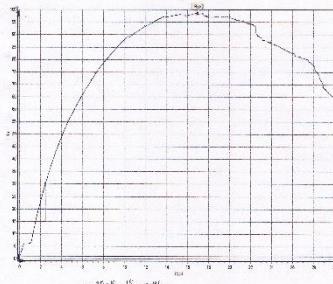
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	98,68	



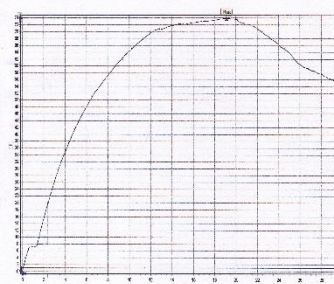
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	73,79	



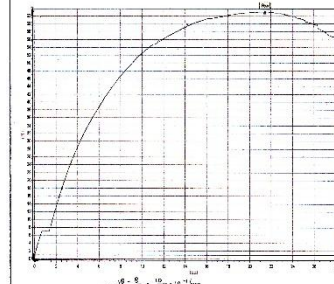
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	62,85	



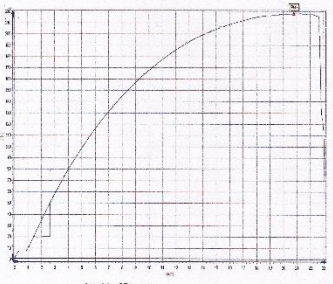
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	218,02	



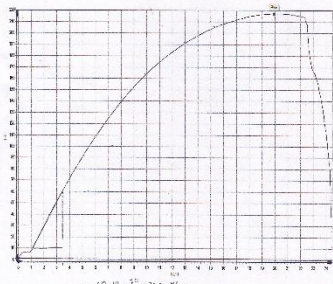
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	217,11	



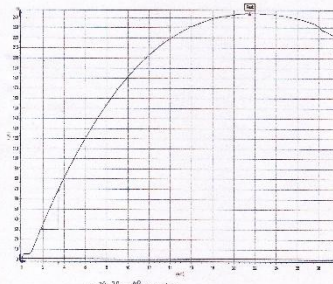
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	246,18	



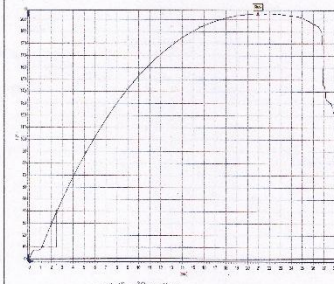
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	208,09	



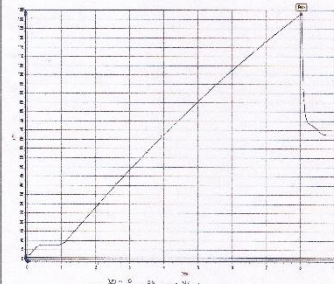
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
100% 0/4 0/5 0/4 1	1/4	133,22	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

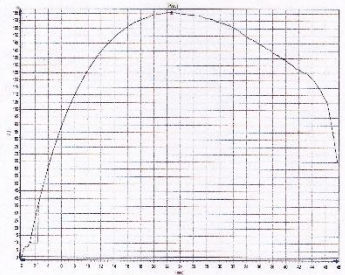
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
076 1/4 25% glas	L4	185,98	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

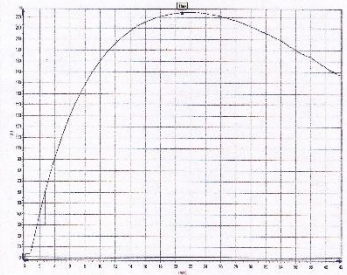
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
076 1/4 25% glas	L4	224,50	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

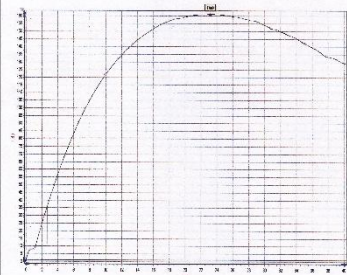
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
3 25% glas	L4	184,18	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

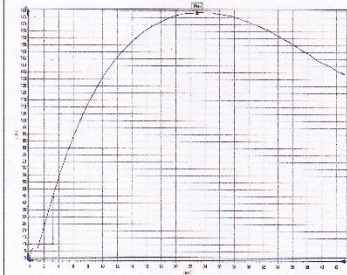
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
4 25% glas	L4	178,67	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

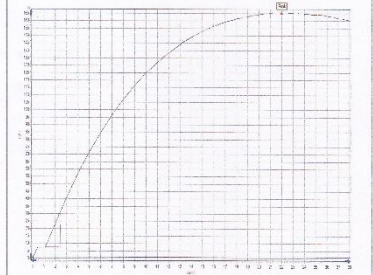
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5 25% glas	L4	165,59	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

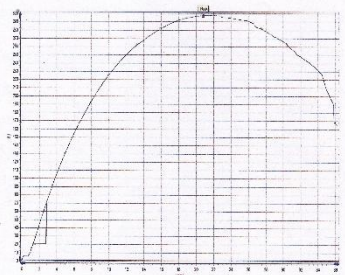
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
1 25% glas	L4	297,95	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

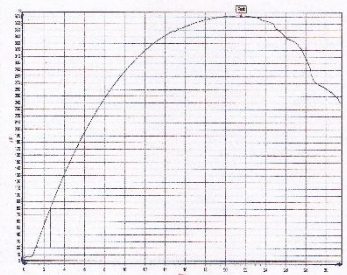
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
2 25% glas	L4	372,18	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

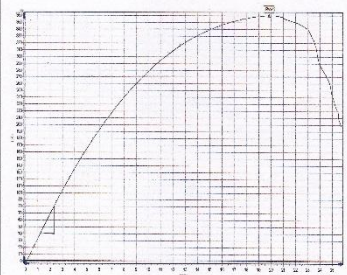
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
6 25% glas	L4	309,99	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

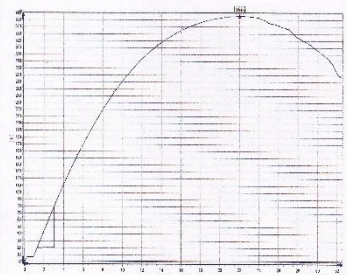
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
7 25% glas	L4	388,73	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

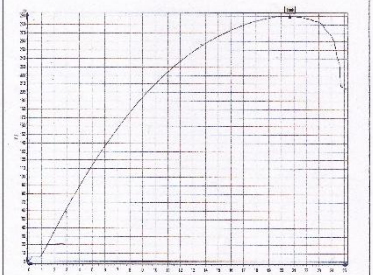
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
8 25% glas	L4	290,64	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

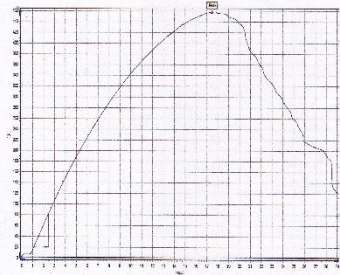
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
1			
10% 20% 40% 60% 80% 100%	4.4	492.34	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

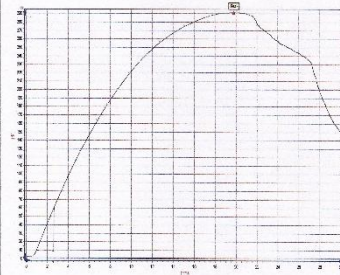
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
2			
10% 20% 40% 60% 80% 100%	4.4	291.14	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

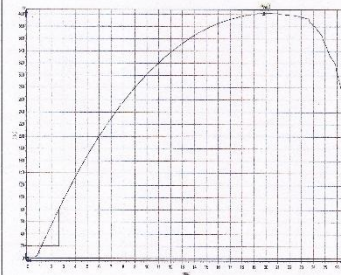
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
3			
10% 20% 40% 60% 80% 100%	4.4	492.34	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

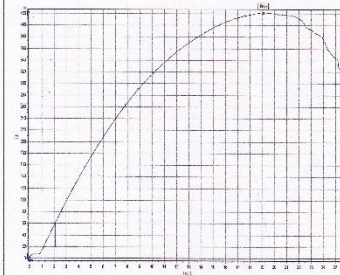
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
4			
10% 20% 40% 60% 80% 100%	4.4	492.48	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

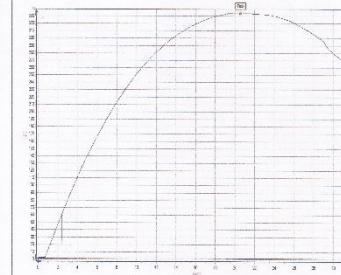
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5			
10% 20% 40% 60% 80% 100%	4.4	244.08	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

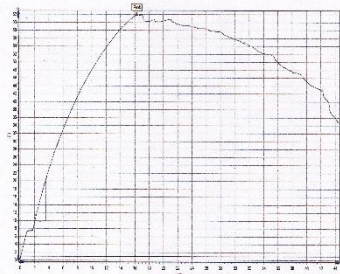
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
6			
10% 20% 40% 60% 80% 100%	5	82.83	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

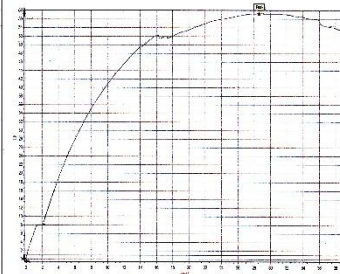
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
7			
10% 20% 40% 60% 80% 100%	5	87.26	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

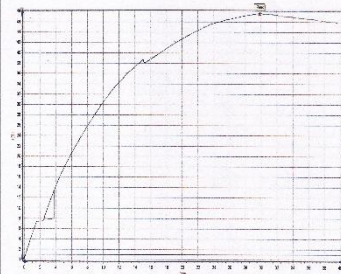
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
8			
10% 20% 40% 60% 80% 100%	5	47.42	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

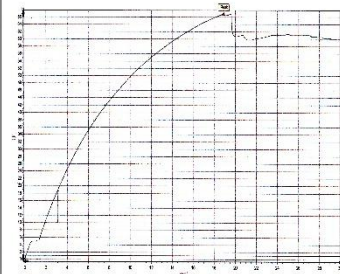
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
9			
10% 20% 40% 60% 80% 100%	3.6	44.99	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

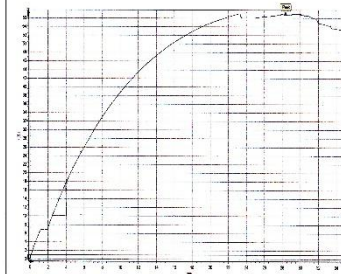
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No.: \_\_\_\_\_  
Perlakuan Atrial 2 Jam

Speciment	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10			
10% 20% 40% 60% 80% 100%	5	27.88	



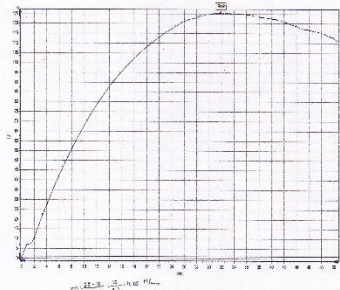
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	128.84	



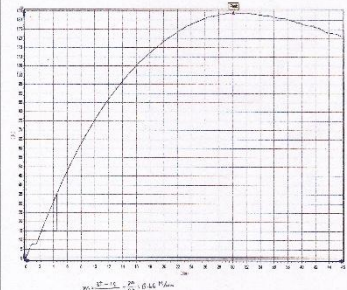
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	124.61	



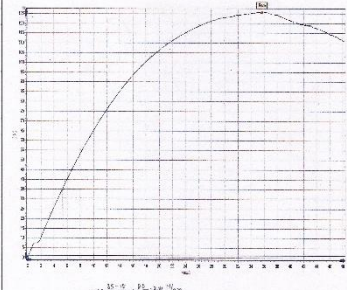
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	124.84	



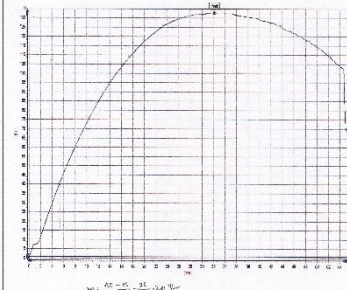
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	122.65	



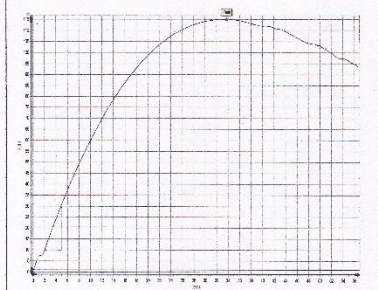
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	118.24	



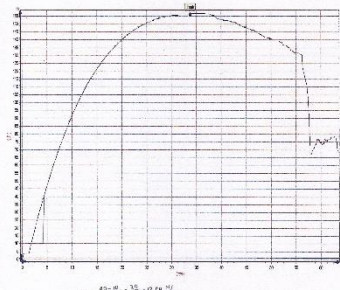
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	126.77	



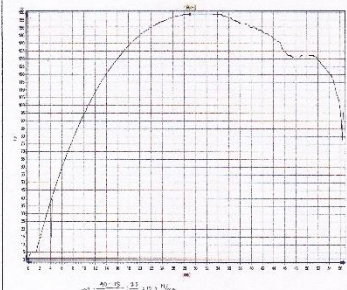
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	128.71	



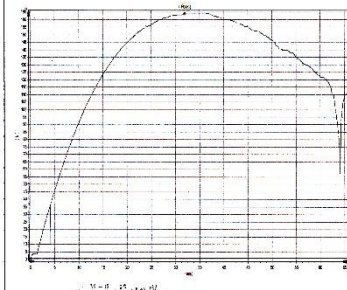
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	124.24	



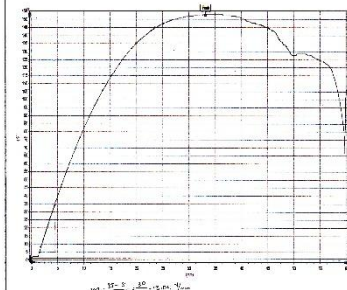
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	122.22	



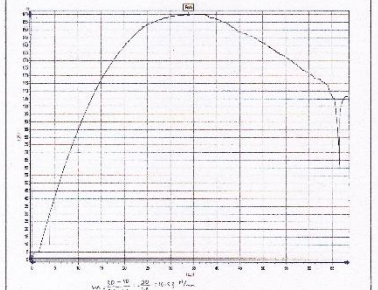
Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
10% 1/4 10% 3/4	5.6	120.23	



Q.C. Dept.: \_\_\_\_\_ Tester: \_\_\_\_\_

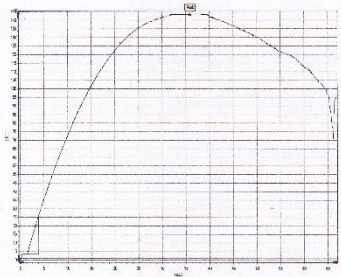
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	143.82	



Q.C. Dept. : Tester :

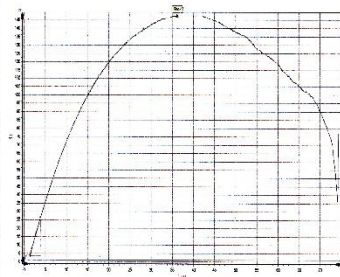
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	147.50	



Q.C. Dept. : Tester :

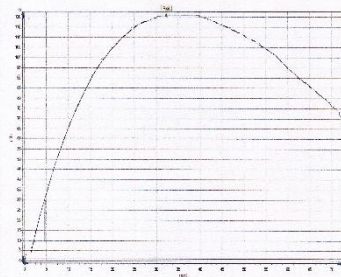
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	139.47	



Q.C. Dept. : Tester :

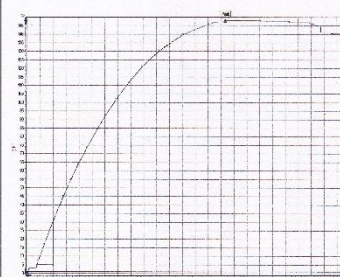
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	147.89	



Q.C. Dept. : Tester :

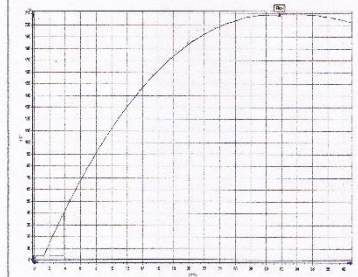
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	200.03	



Q.C. Dept. : Tester :

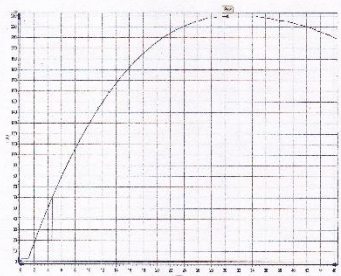
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : 1 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	200.00	



Q.C. Dept. : Tester :

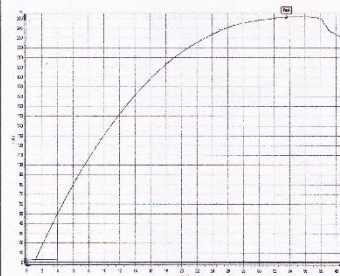
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : 2 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	351.49	



Q.C. Dept. : Tester :

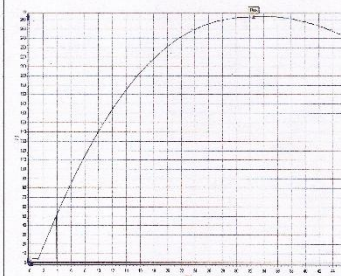
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : 3 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	343.07	



Q.C. Dept. : Tester :

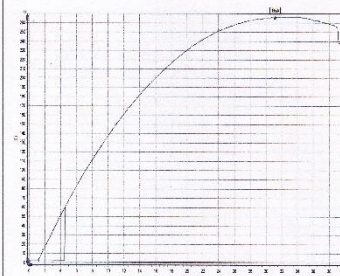
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : 4 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	346.24	



Q.C. Dept. : Tester :

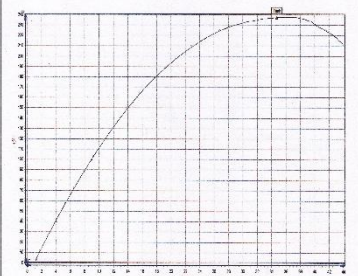
LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS

Jl. Ir. Sutarni no.36 A Surakarta, Jawa Tengah  
Telp/Fax: 62 271 632163

**TEST REPORT**

Test No. : 5 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
5	95	337.47	



Q.C. Dept. : Tester :

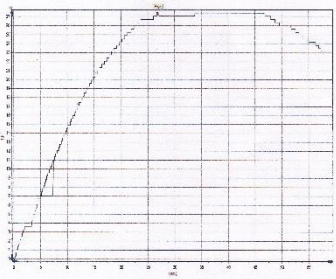
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 1 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		27,37	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

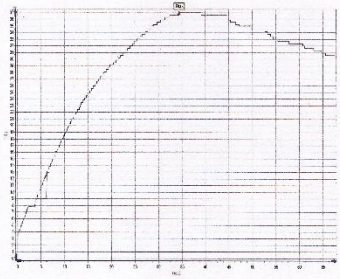
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 2 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		38,97	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

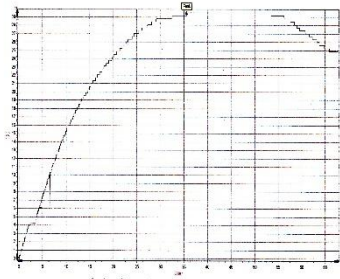
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 3 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		29,41	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

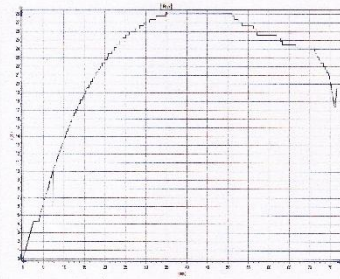
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 4 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		28,68	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

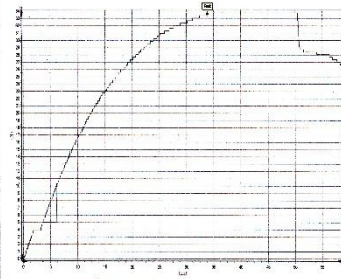
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 5 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		38,79	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

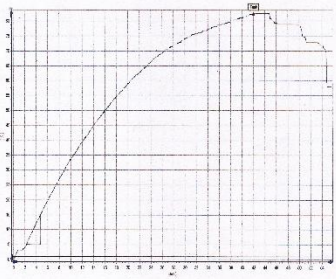
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 1 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		32,47	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

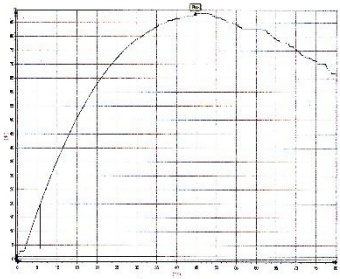
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 2 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		38,14	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

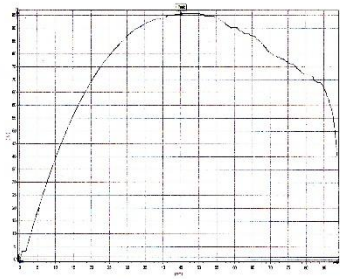
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 3 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		35,43	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

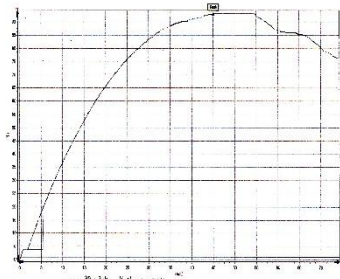
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 4 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		33,14	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

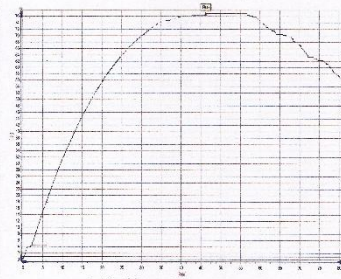
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 5 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
13P			
100% 114			
0% 240		36,79	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 1 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 0% g/l 50% g/l		93,86	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 2 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 0% g/l 20% g/l		92,83	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 3 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 0% g/l 20% g/l		77,60	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 4 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 0% g/l 20% g/l		94,92	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 5 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 0% g/l 20% g/l		88,78	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 1 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 20% g/l 50% g/l		86,83	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 2 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 20% g/l 50% g/l		101,67	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 3 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 20% g/l 50% g/l		85,19	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 4 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 20% g/l 50% g/l		104,78	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS  
 Jl. Ir. Sutami no.36 A Surakarta, Jawa Tengah  
 Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 5 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
12P 20% g/l 50% g/l		105,13	

Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

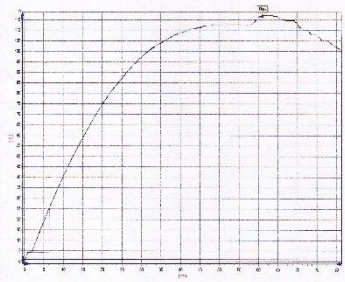
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Soemari no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 7 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
128 164 / 140 150 / 140		116,56	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

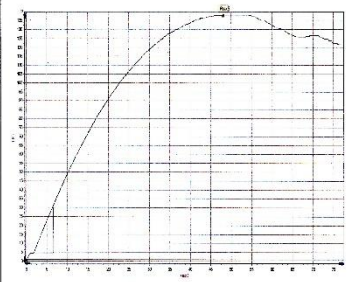
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Soemari no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 11 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
128 164 / 140 150 / 140		137,93	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

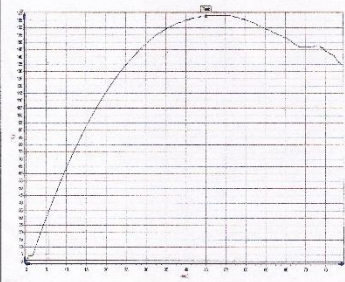
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Soemari no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 13 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
128 164 / 140 150 / 140		168,18	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

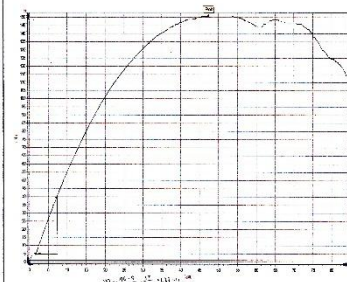
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Soemari no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 14 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
128 164 / 140 150 / 140		158,79	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_

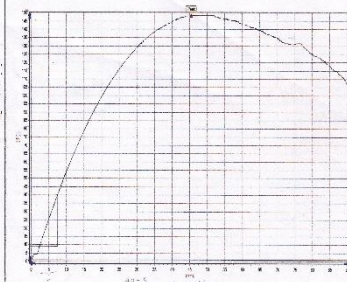
**LABORATORIUM MATERIAL JURUSAN TEKNIK MESIN FT UNS**

Jl. Ir. Soemari no.36 A Surakarta, Jawa Tengah  
Telp/Fax: +62 271 632163

**TEST REPORT**

Test No. : 15 Perilaku Alkali 2 Jam

Specimen	Area mm <sup>2</sup>	Max Force N	Bending Strength N/mm <sup>2</sup>
128 164 / 140 150 / 140		148,24	



Q.C. Dept. : \_\_\_\_\_ Tester : \_\_\_\_\_