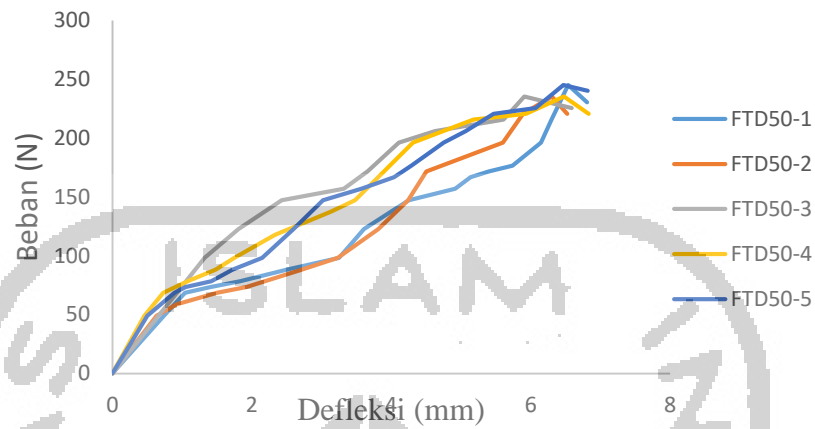
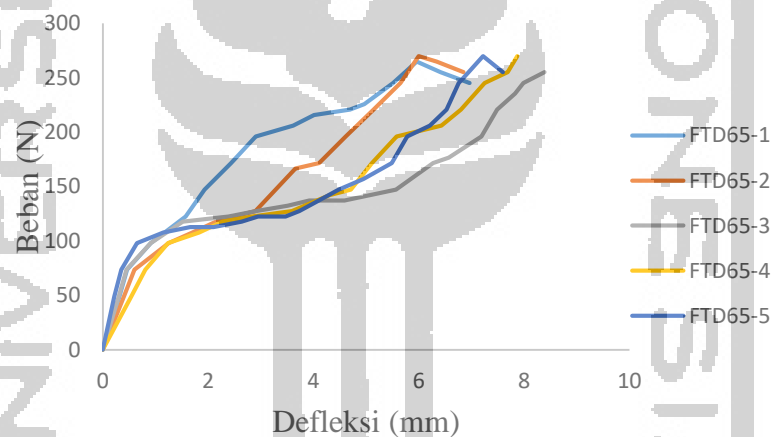


# LAMPIRAN 1

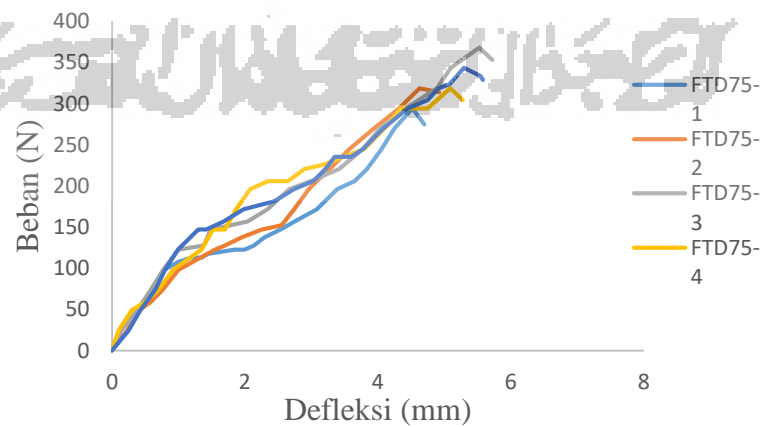
Lampiran 1 Grafik Pengujiann Sebelum Dikoreksi



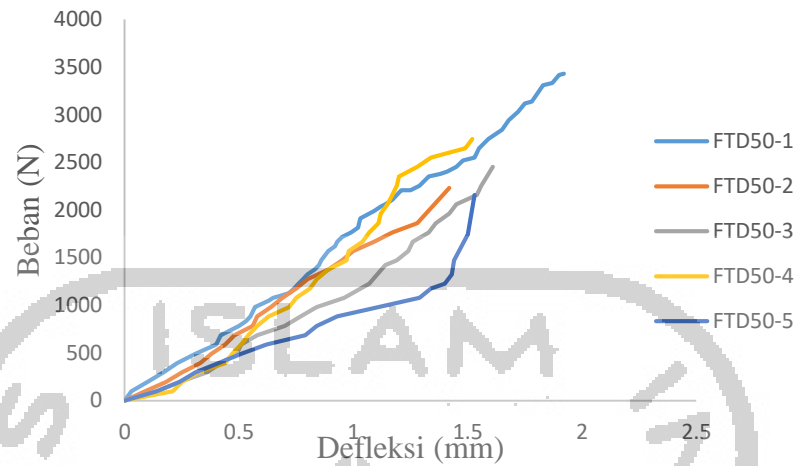
**Gambar L – 1.1** Kuat Lentur Sekrup *Fine Thread Drwall* 50 mm



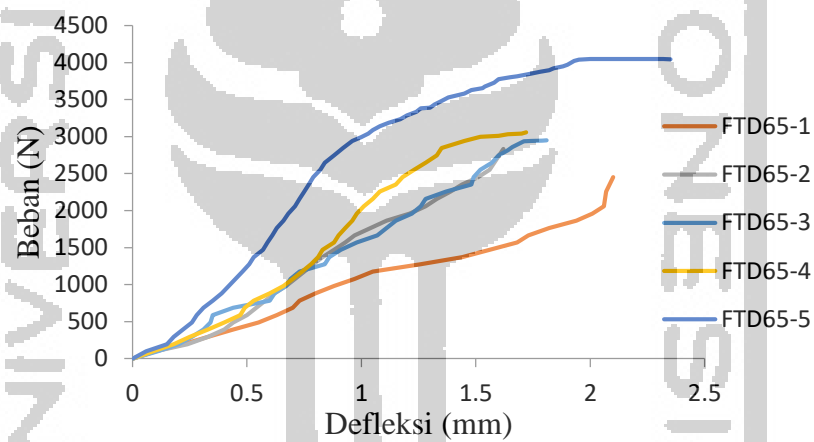
**Gambar L – 1.2** Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm



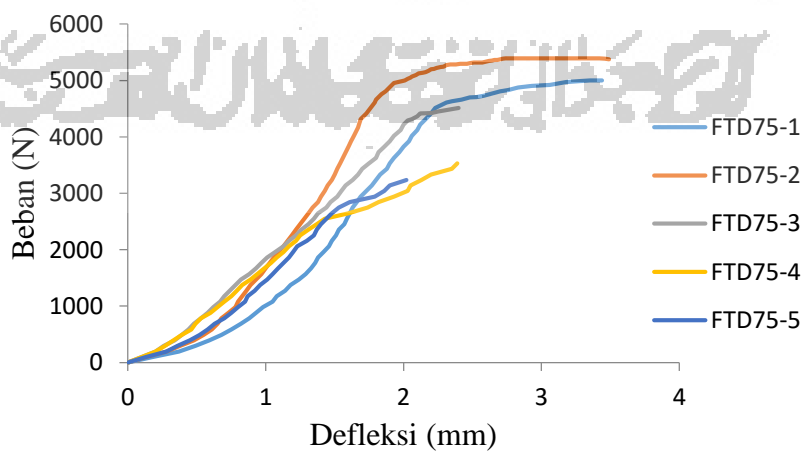
**Gambar L – 1.3** Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm



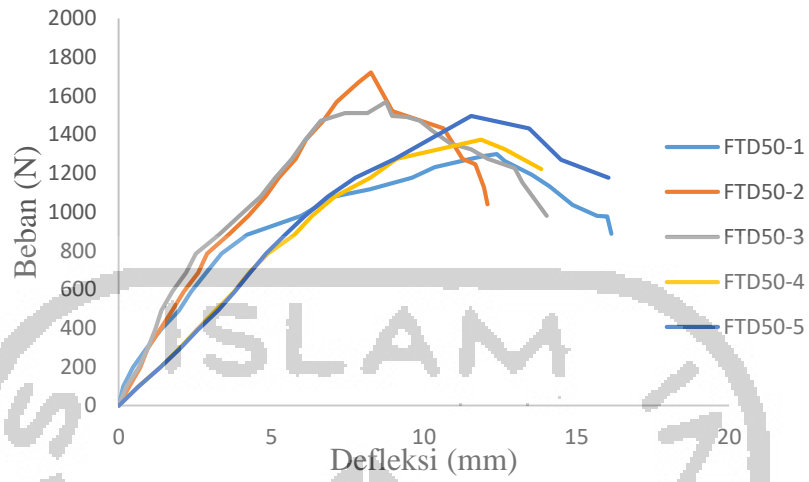
**Gambar L – 1.4** Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm



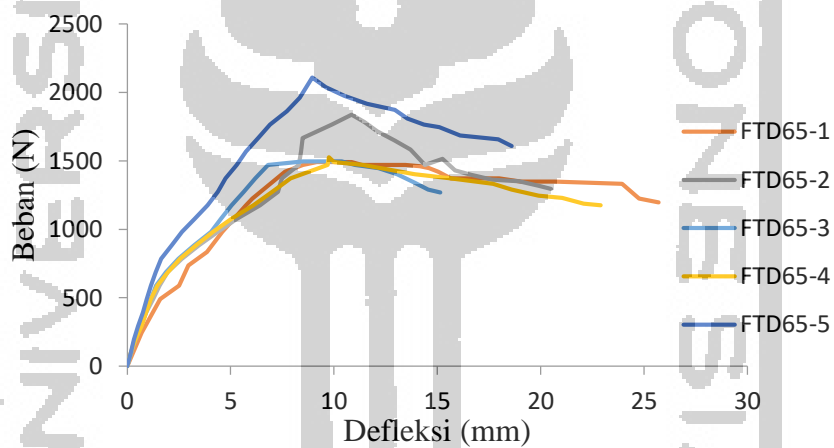
**Gambar L – 1.5** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm



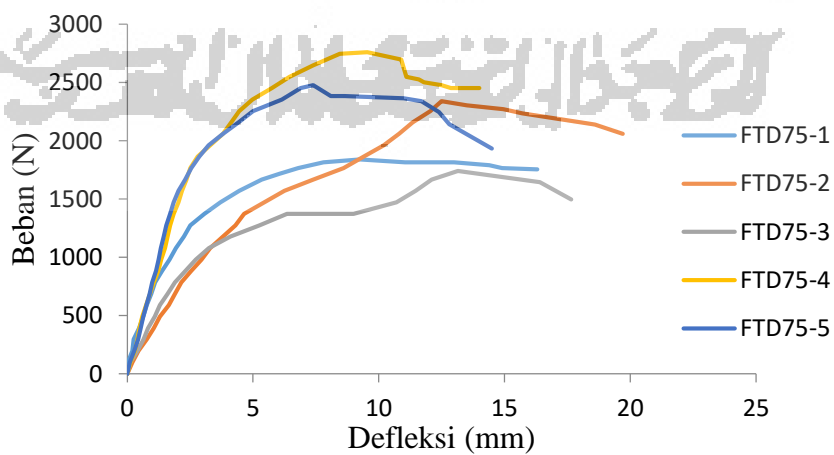
**Gambar L – 1.6** Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm



**Gambar L – 1.7** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm



**Gambar L – 1.8** Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm

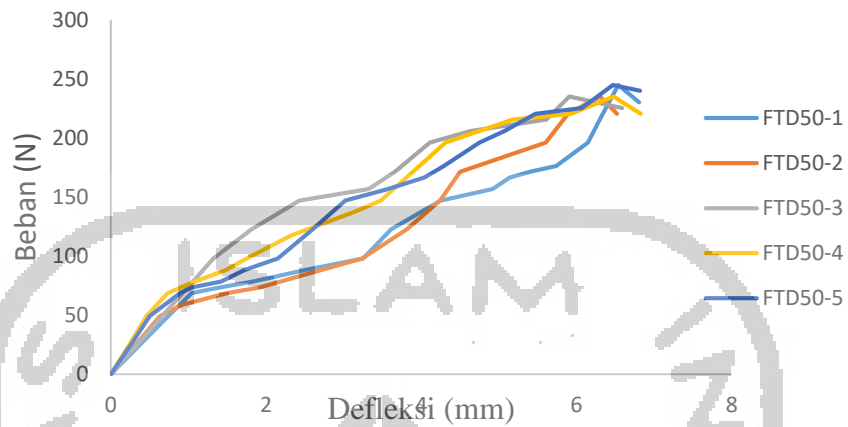


**Gambar L – 1.9** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm

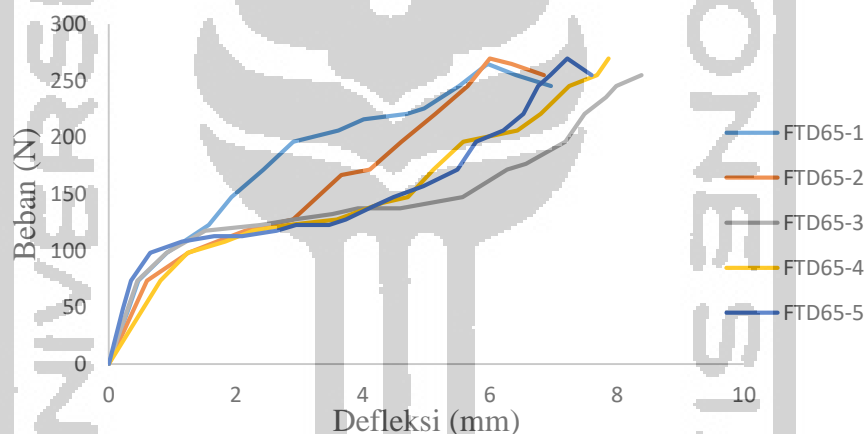
# LAMPIRAN 2



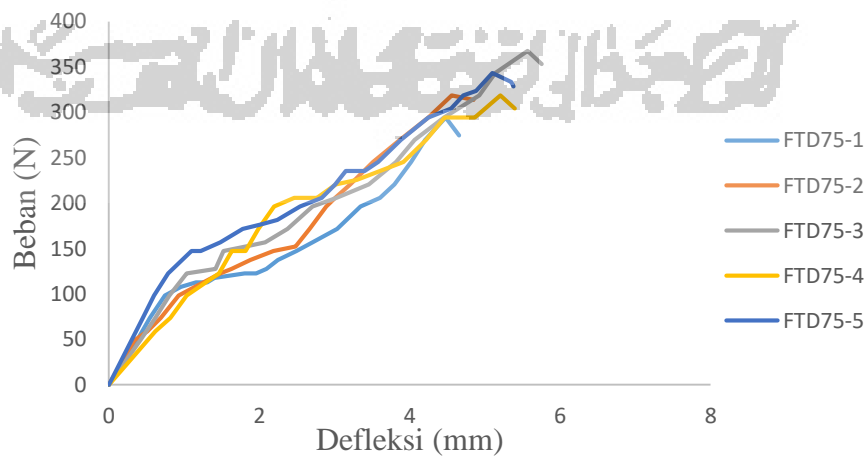
## Lampiran 2 Grafik Pengujian Sesudah Dikoreksi



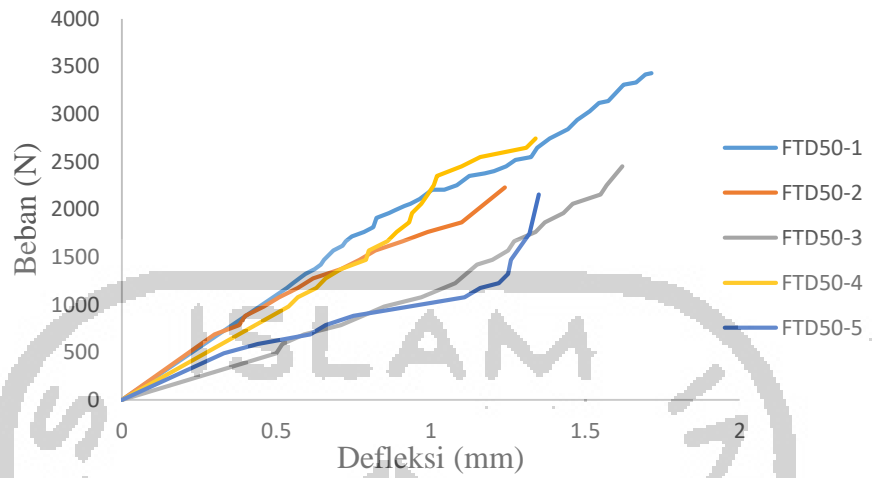
**Gambar L – 2.1** Kuat Lentur Sekrup *Fine Thread Drwall* 50 mm



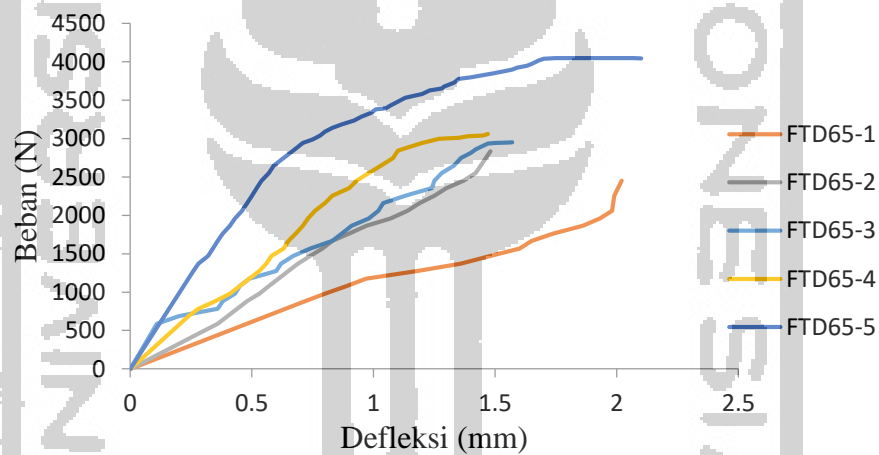
**Gambar L – 2.2** Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm



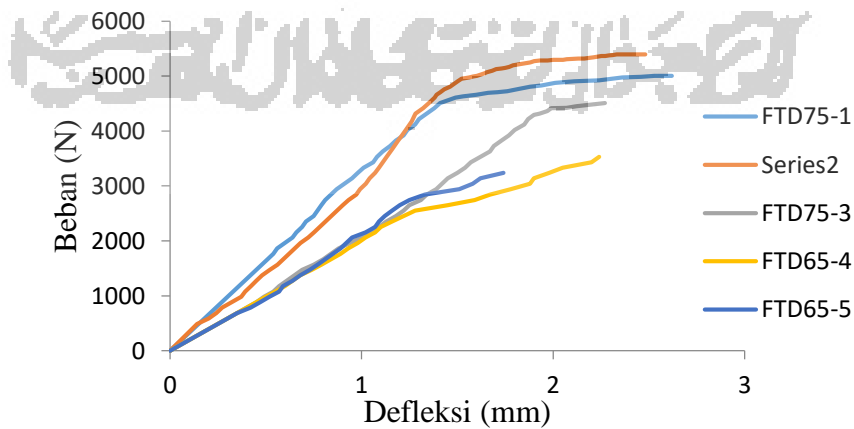
**Gambar L – 2.3** Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm



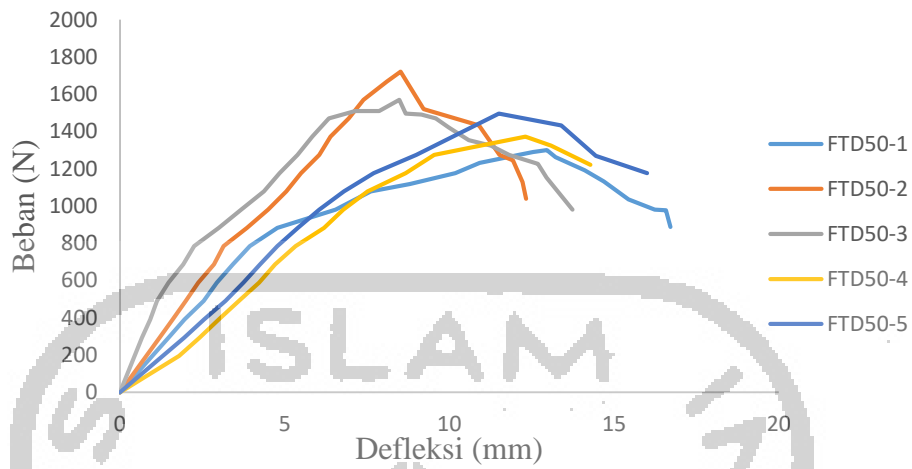
**Gambar L – 2.4** Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm



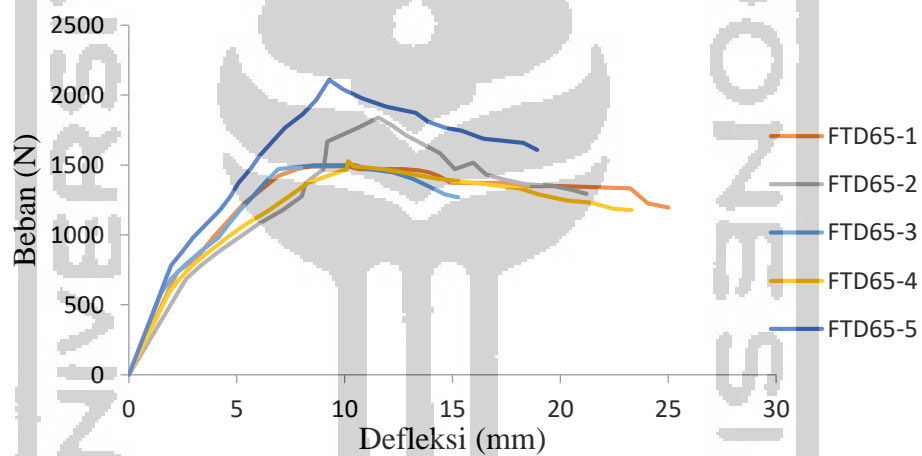
**Gambar L – 2.5** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm



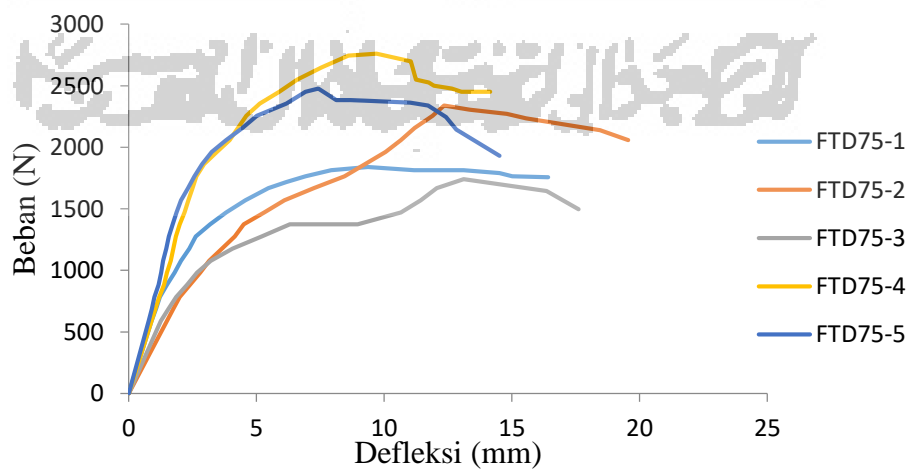
**Gambar L – 2.6** Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm



**Gambar L – 1.9** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm



**Gambar L – 1.9** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm

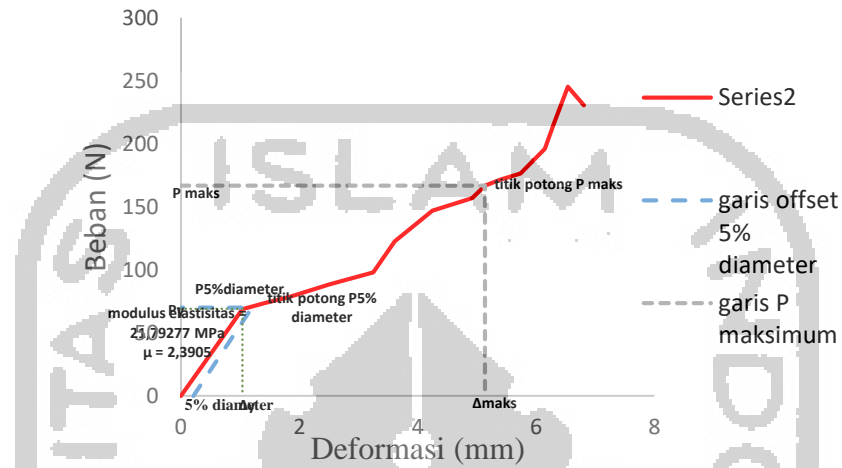


**Gambar L – 1.9** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm

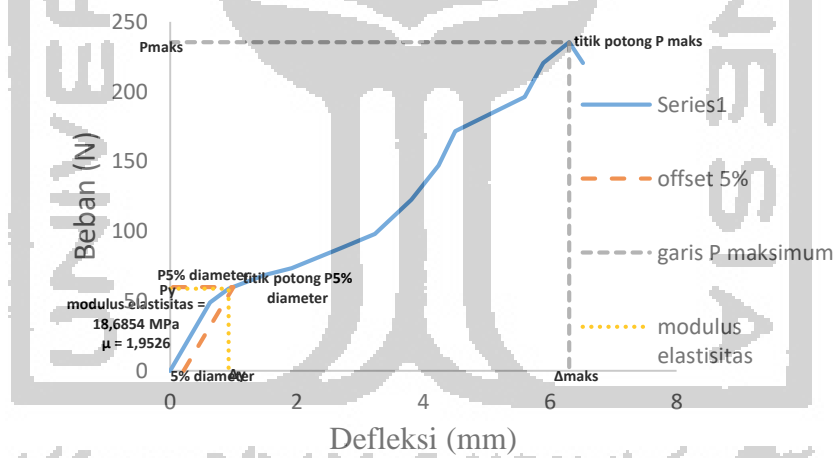




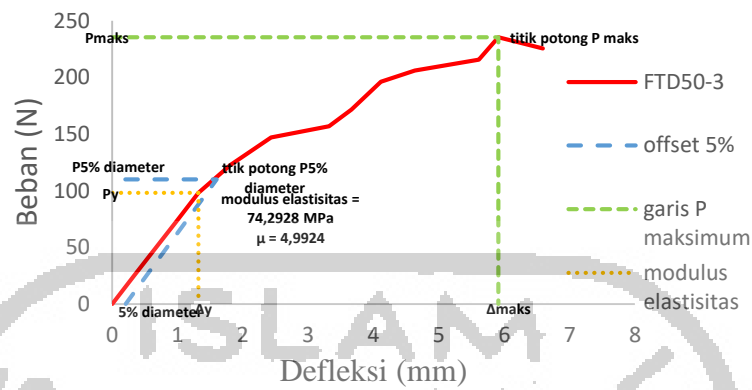
### Lampiran 3 Grafik Parameter Pengujian



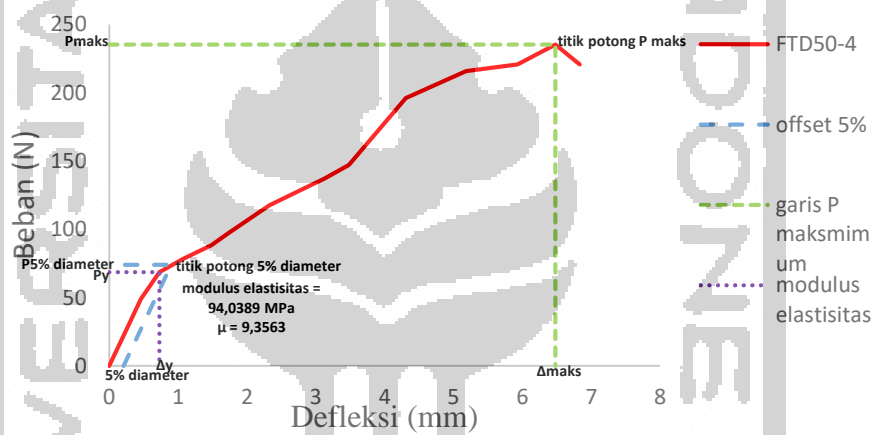
Gambar L – 3.1 Kuat Lentur Sekrup *Fine Thread Drwall 50-1 mm ke - 1*



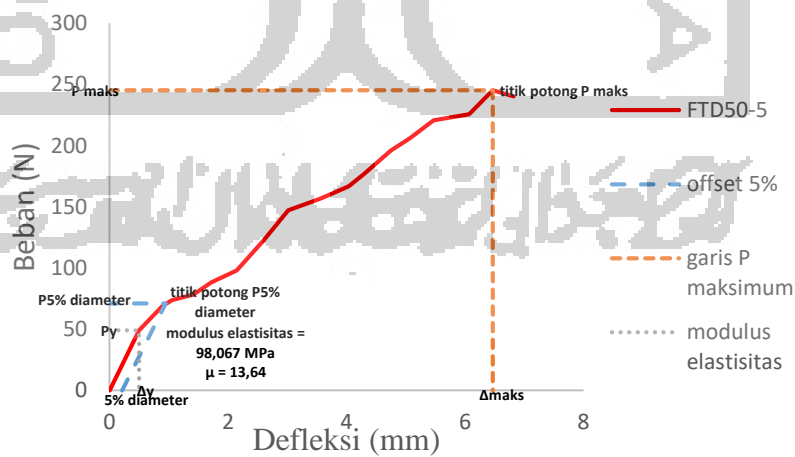
Gambar L – 3.2 Kuat Lentur Sekrup *Fine Thread Drwall 50-2 mm ke - 2*



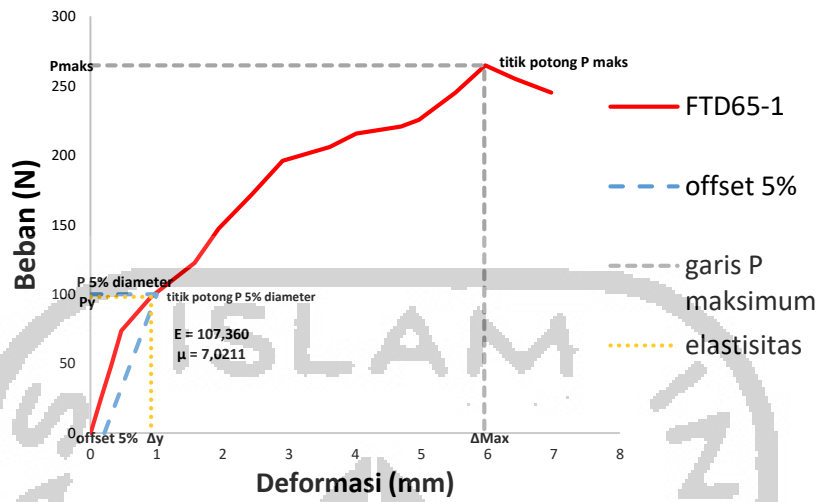
Gambar L – 3.3 Kuat Lentur Sekrup *Fine Thread Drwall* 50 mm ke-3



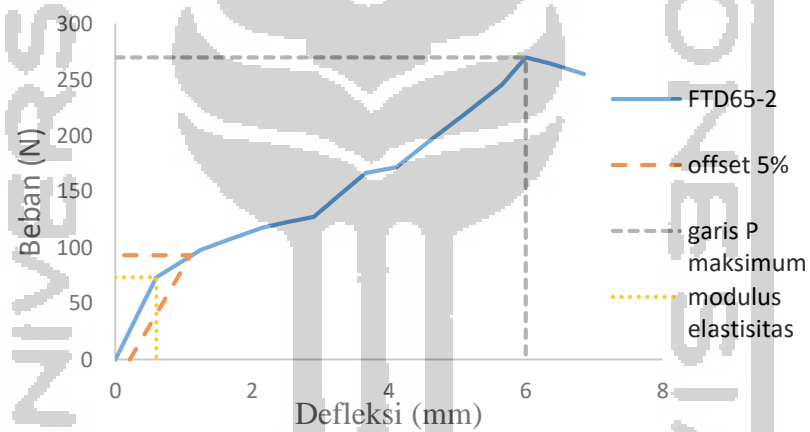
Gambar L – 3.4 Kuat Lentur Sekrup *Fine Thread Drwall* 50 mm ke -4



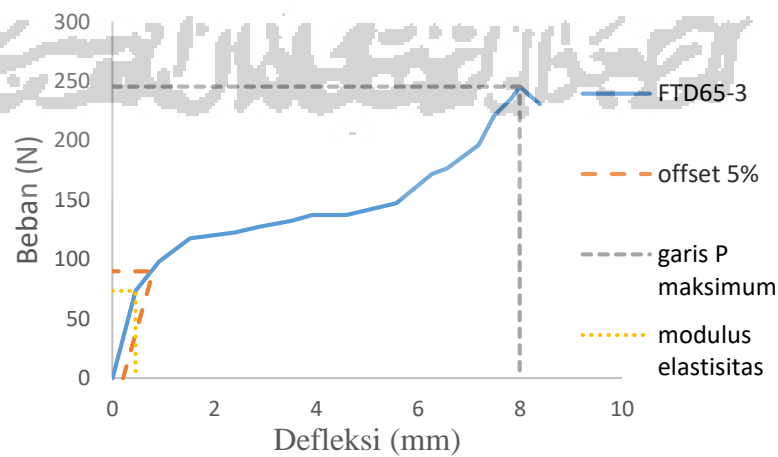
Gambar L – 3.5 Kuat Lentur Sekrup *Fine Thread Drwall* 50 mm ke -5



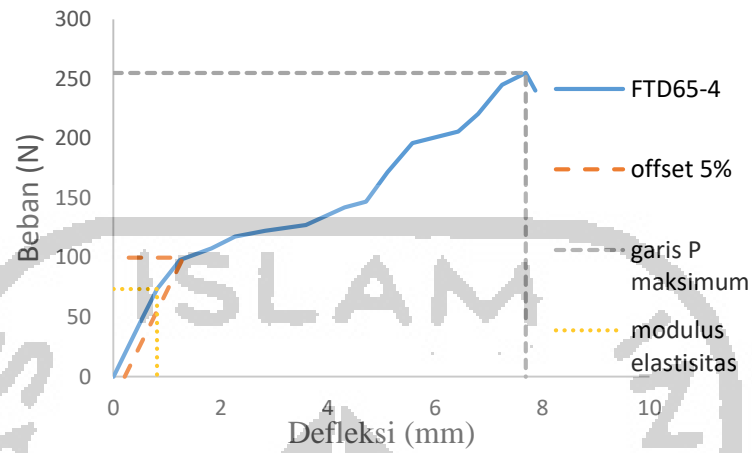
Gambar L – 3.6 Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm ke -1



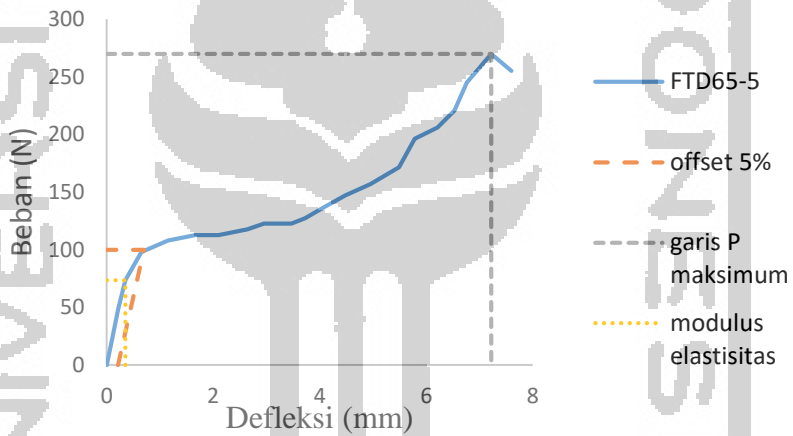
Gambar L – 3.7 Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm ke -2



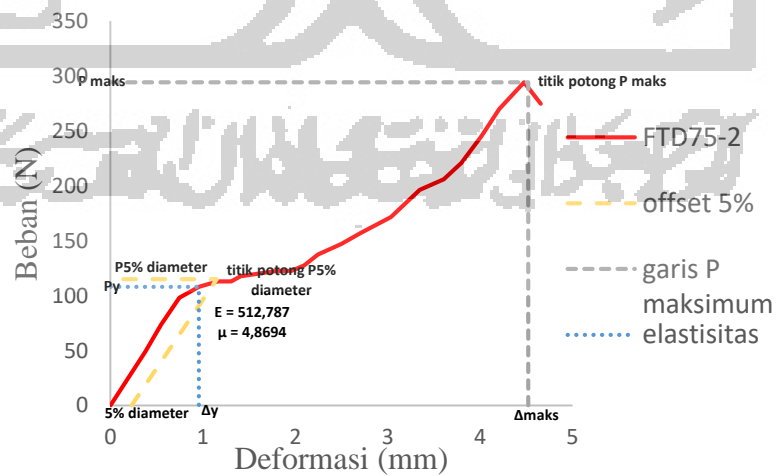
Gambar L – 3.8 Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm ke -3



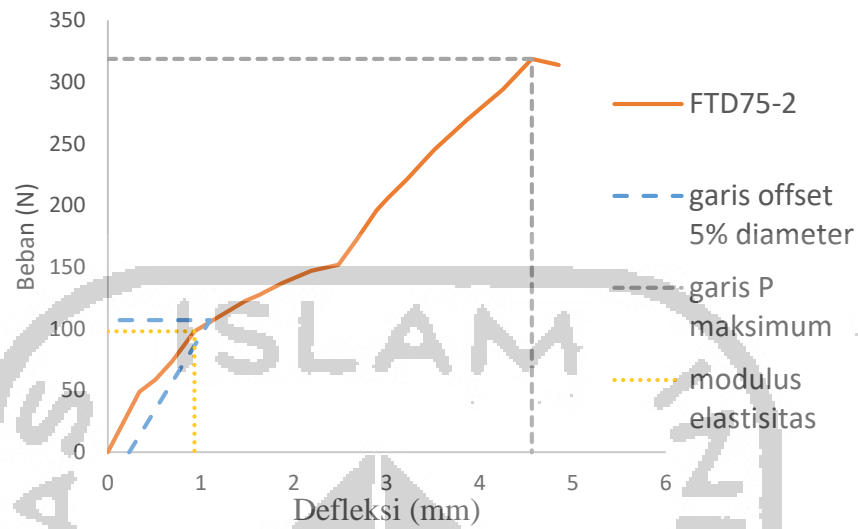
Gambar L – 3.9 Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm ke -4



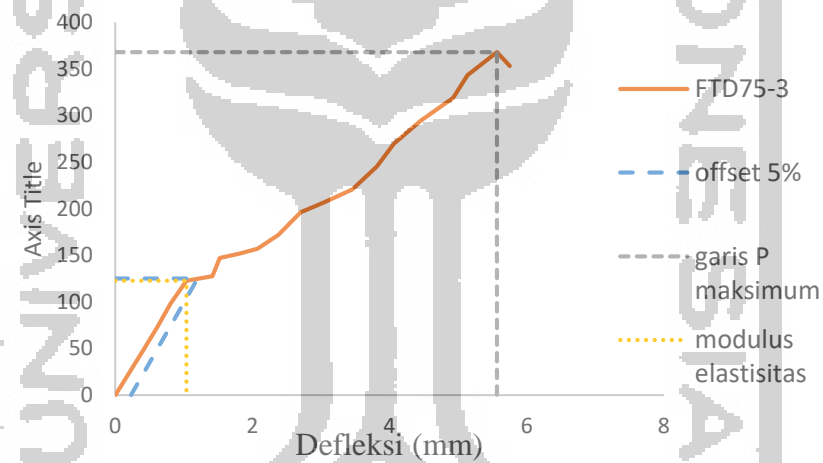
Gambar L – 3.10 Kuat Lentur Sekrup *Fine Thread Drwall* 65 mm ke -5



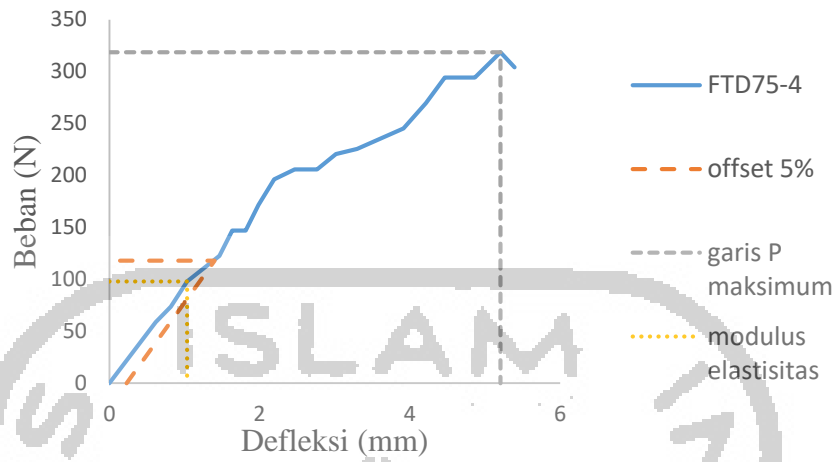
Gambar L – 3.11 Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm ke -1



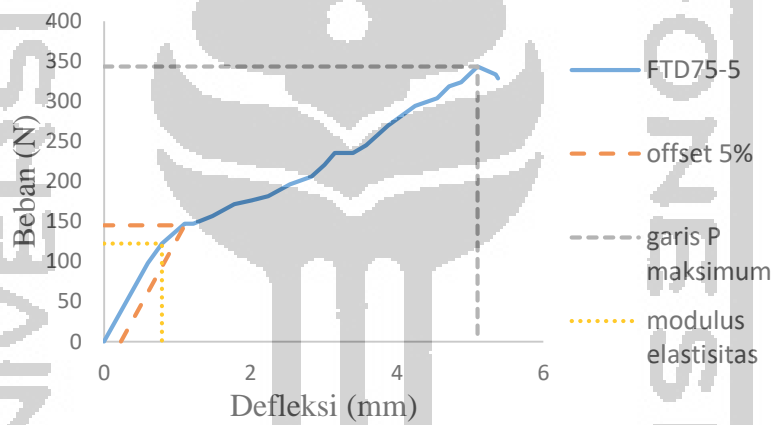
**Gambar L – 3.12** Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm ke -2



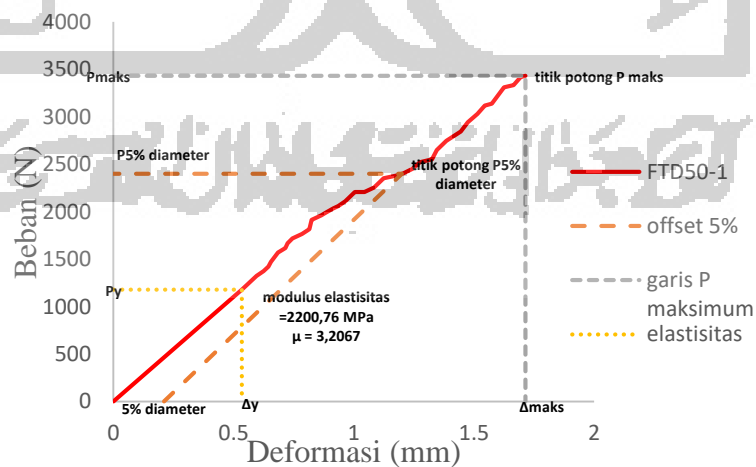
**Gambar L – 3.13** Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm ke -3



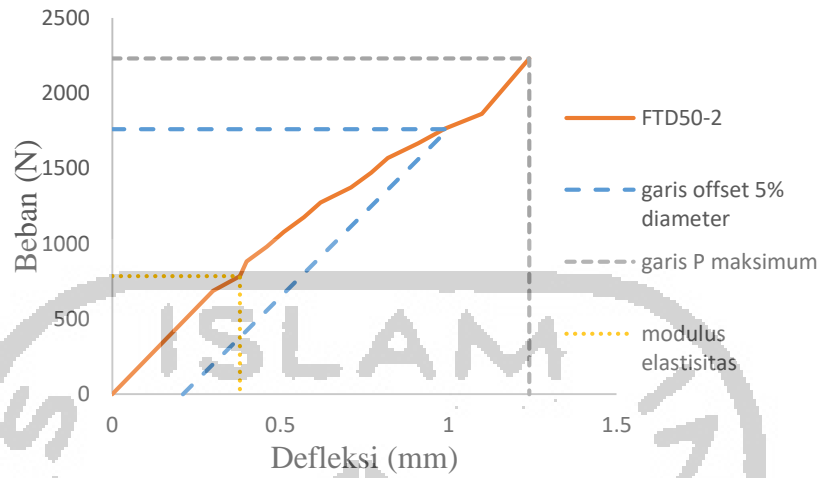
Gambar L – 3.14 Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm ke -4



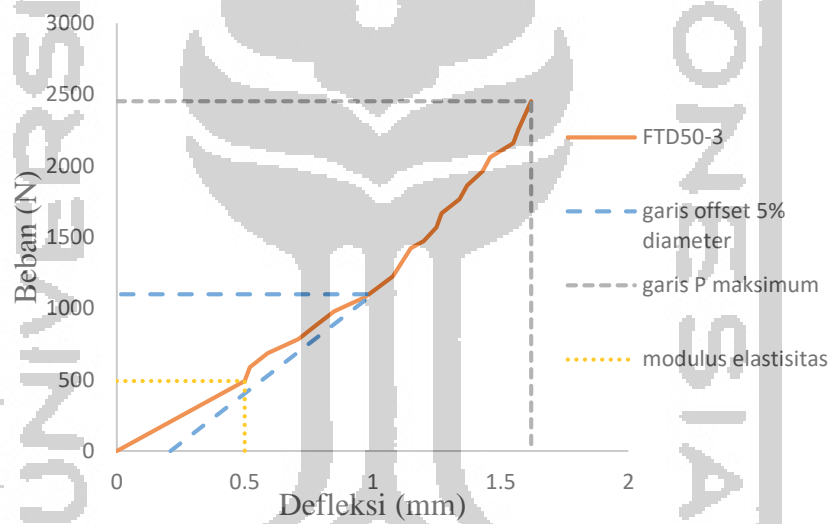
Gambar L – 3.15 Kuat Lentur Sekrup *Fine Thread Drwall* 75 mm ke -5



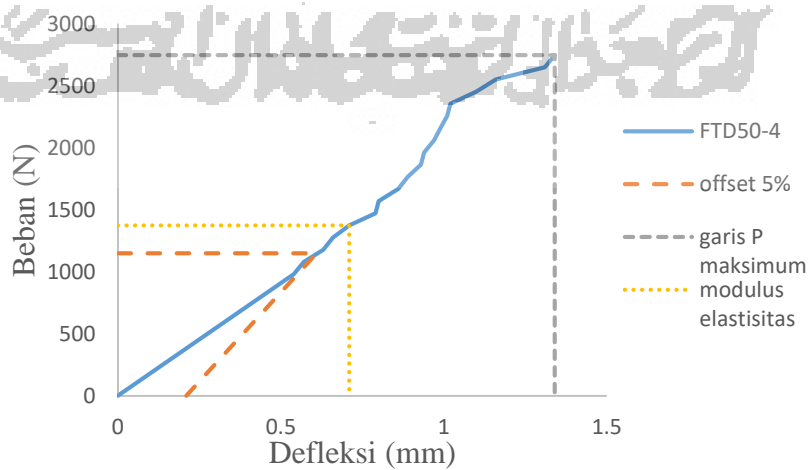
Gambar L – 3.16 Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm ke 1



Gambar L – 3.17 Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm ke 2

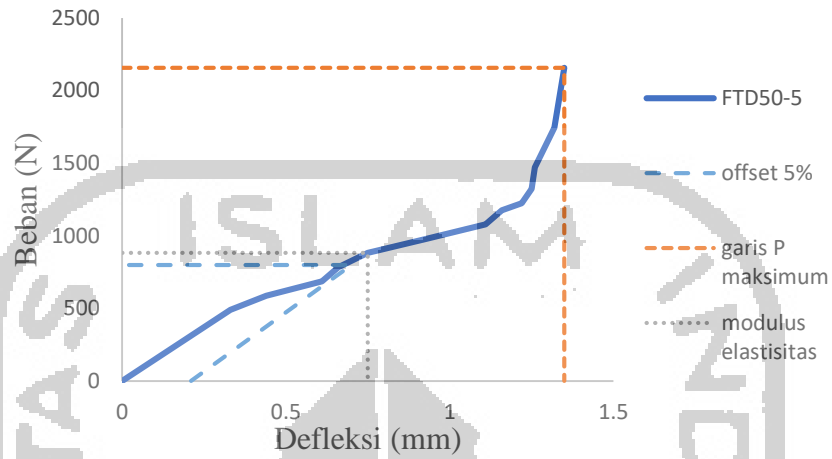


Gambar L – 3.18 Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm ke 3

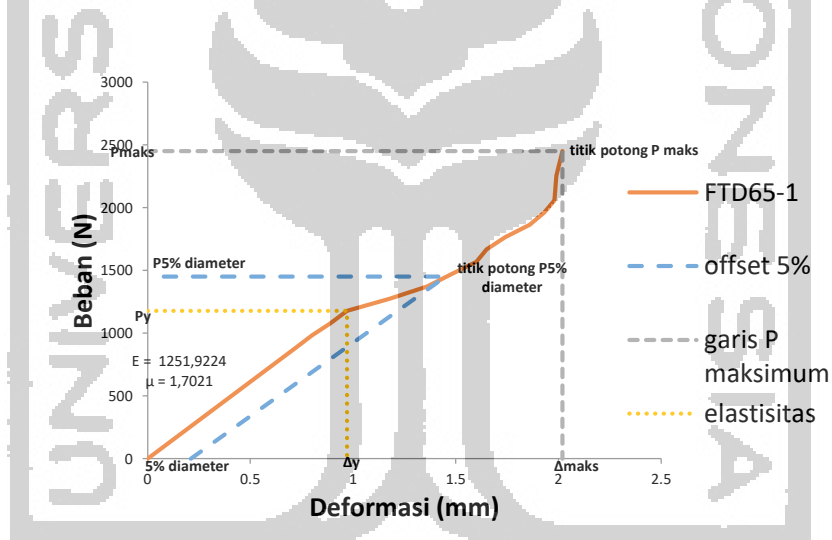




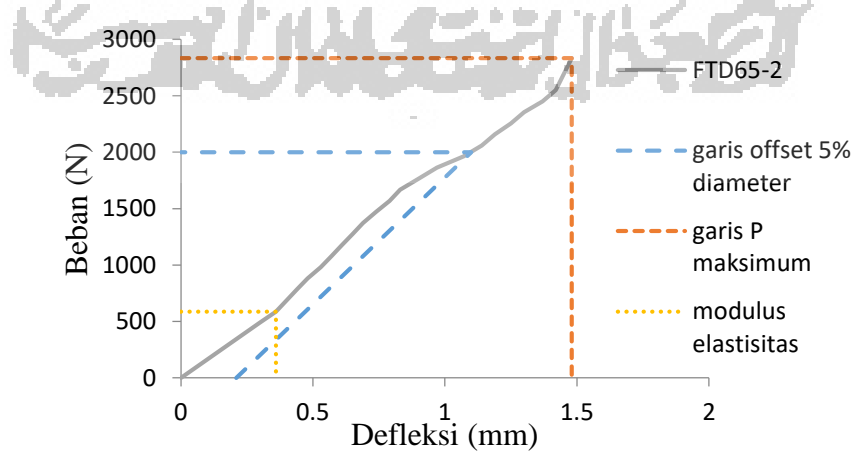
**Gambar L – 3.19** Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm ke 4



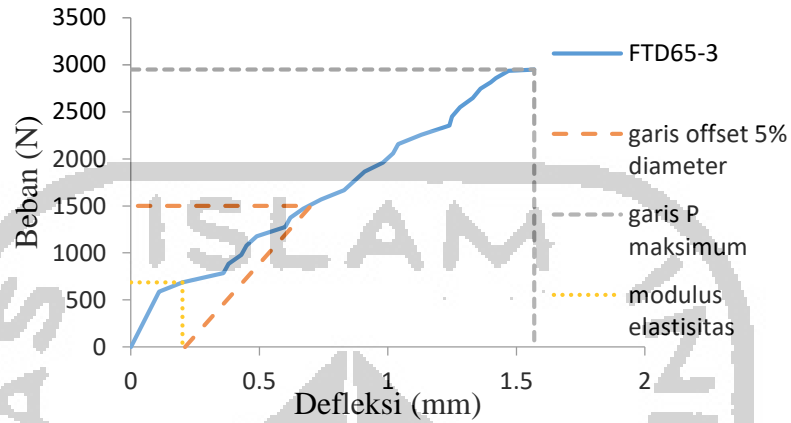
**Gambar L – 3.20** Kuat Tumpu Sekrup *Fine Thread Drwall* 50 mm ke 5



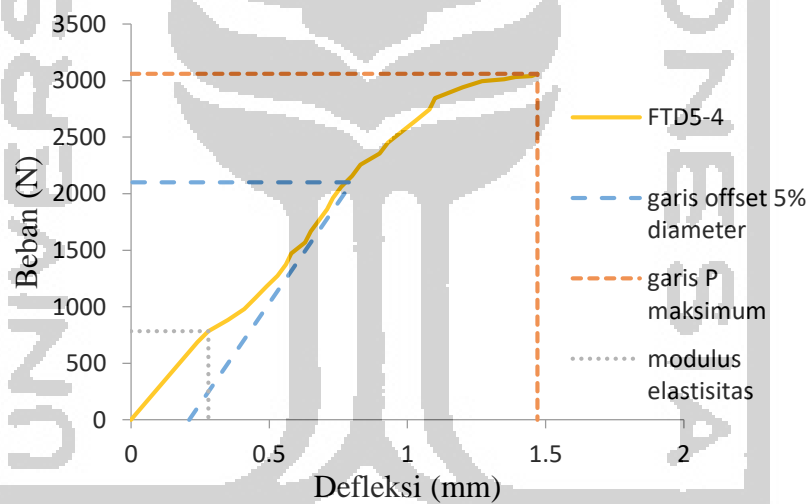
**Gambar L – 3.21** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm ke 1



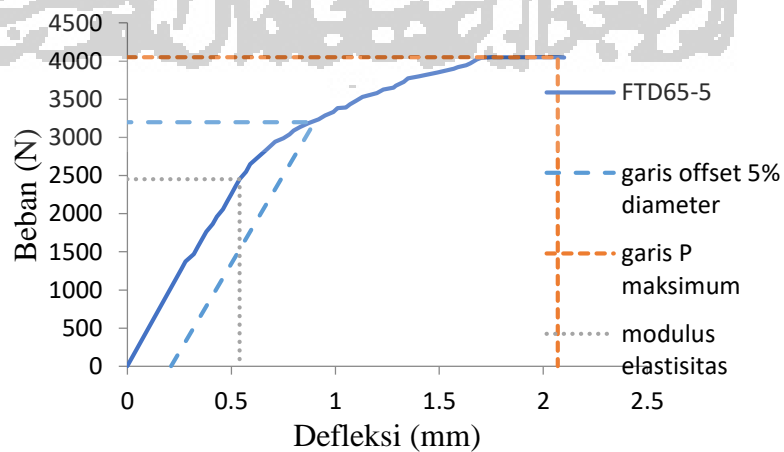
**Gambar L – 3.22** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm ke 2



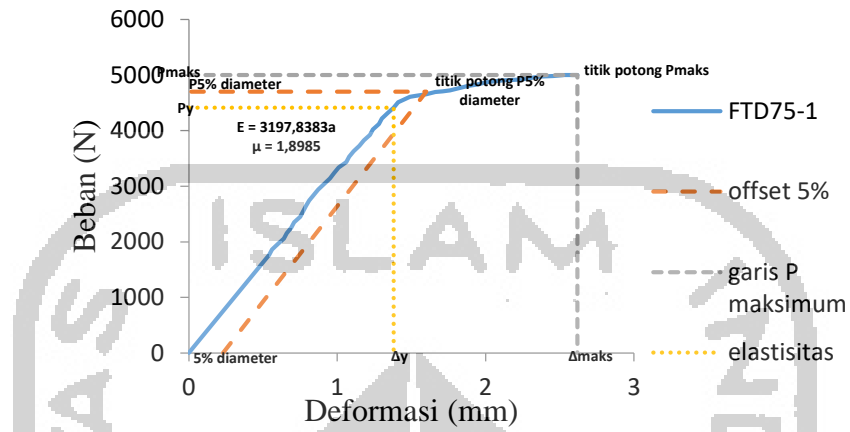
**Gambar L – 3.23** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm ke 3



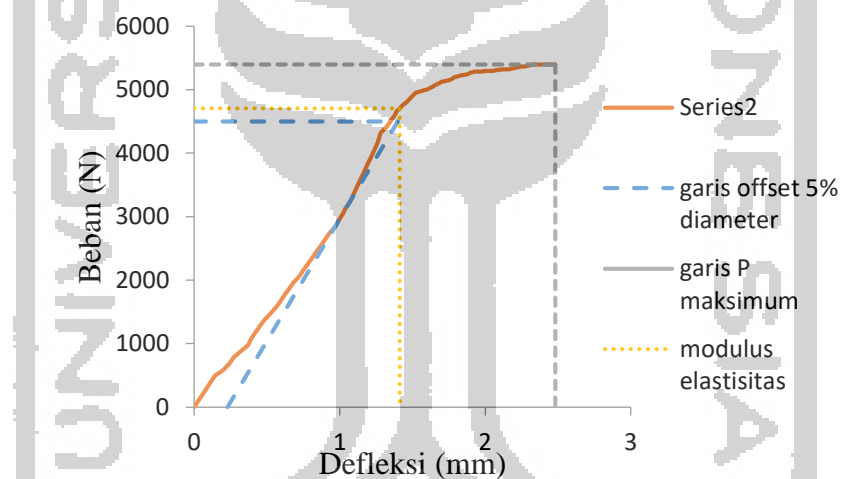
**Gambar L – 3.24** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm ke 4



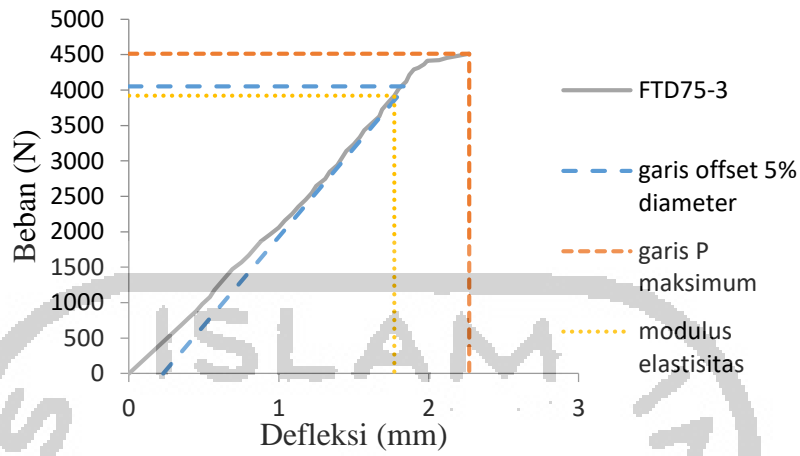
**Gambar L – 3.25** Kuat Tumpu Sekrup *Fine Thread Drwall* 65 mm ke 5



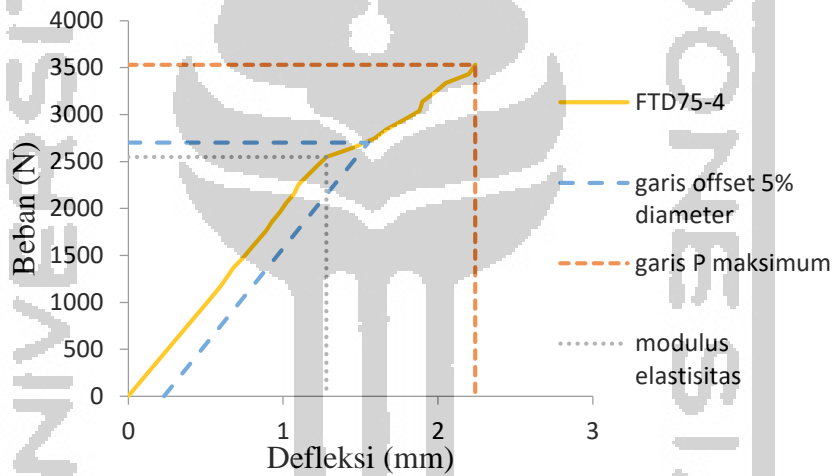
**Gambar L – 3.26** Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm ke 1



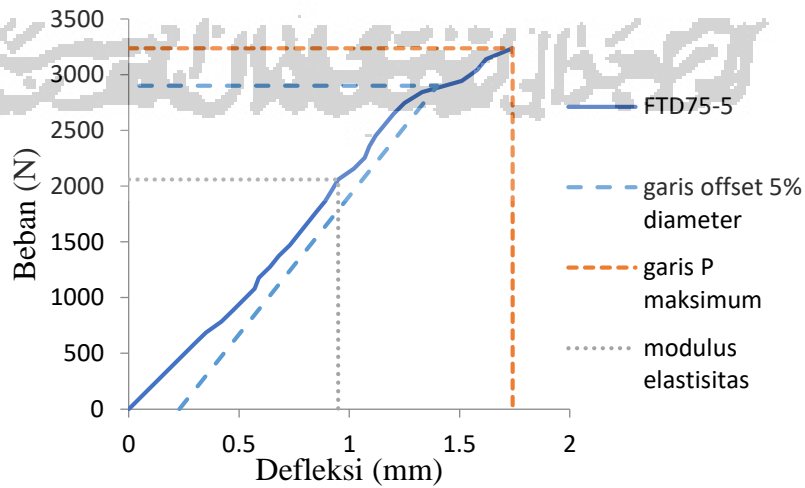
**Gambar L – 3.27** Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm ke 2



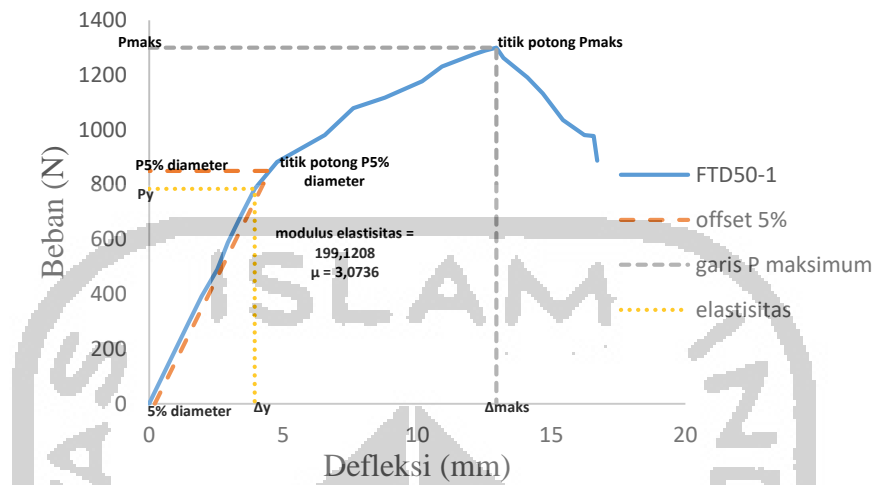
Gambar L – 3.28 Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm ke 3



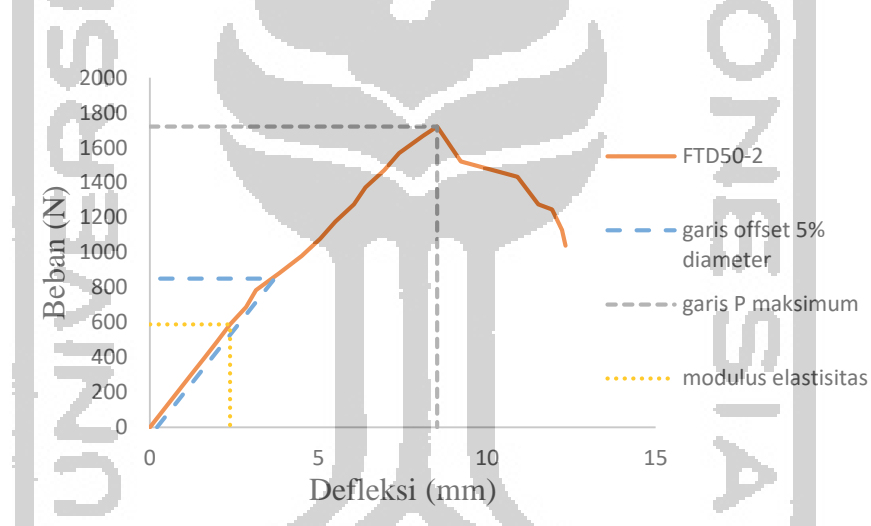
Gambar L – 3.29 Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm ke 4



**Gambar L – 3.30** Kuat Tumpu Sekrup *Fine Thread Drwall* 75 mm ke 5

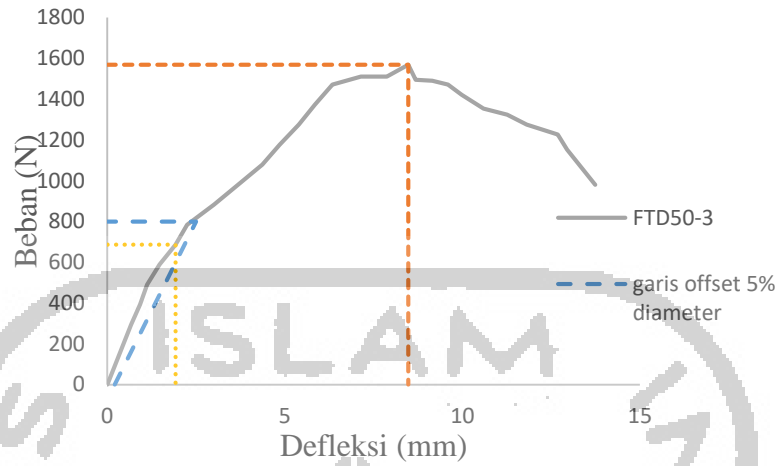


**Gambar L – 3.31** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm ke 1

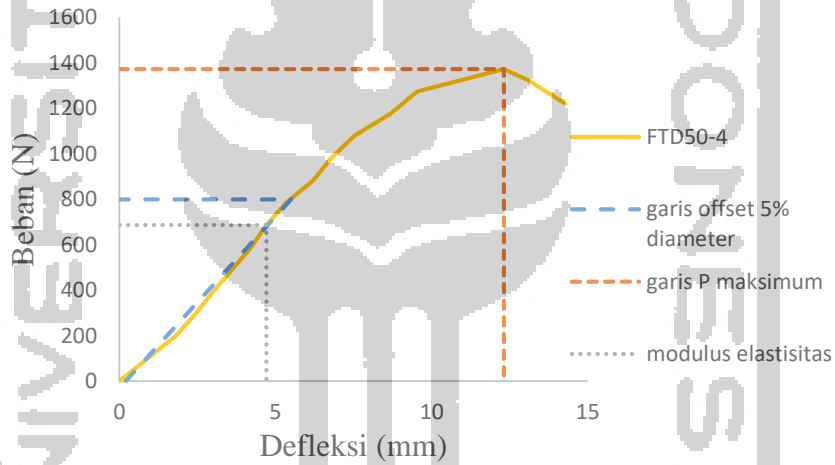


**Gambar L – 3.32** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm ke 2

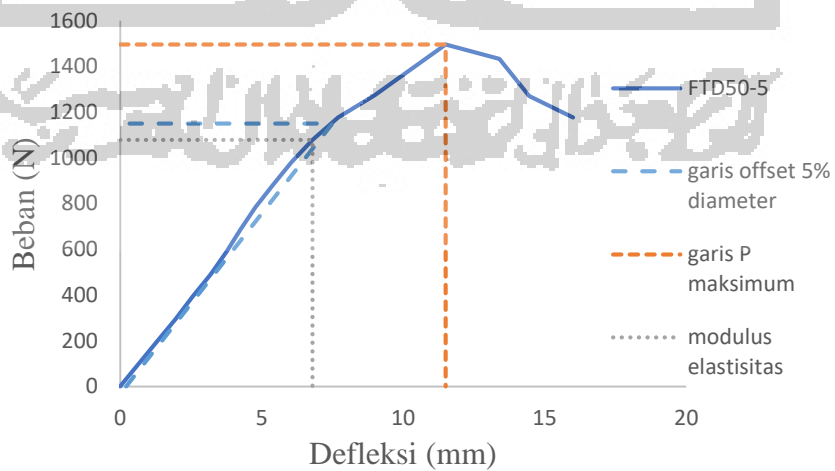




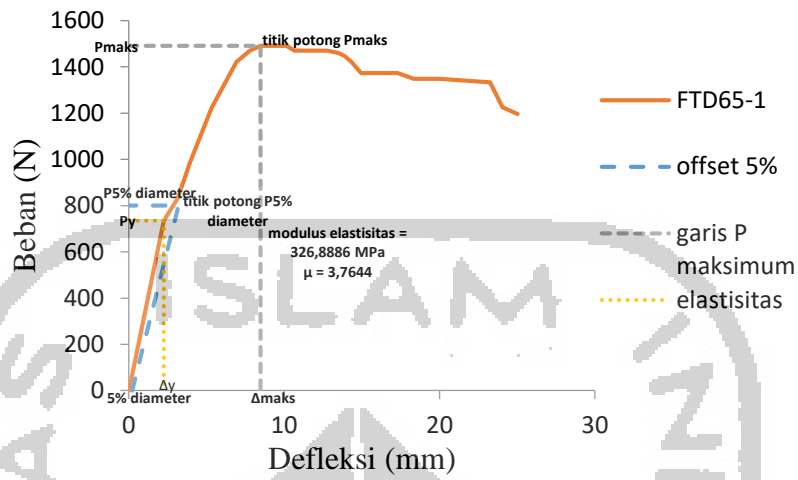
**Gambar L – 3.33** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm ke 3



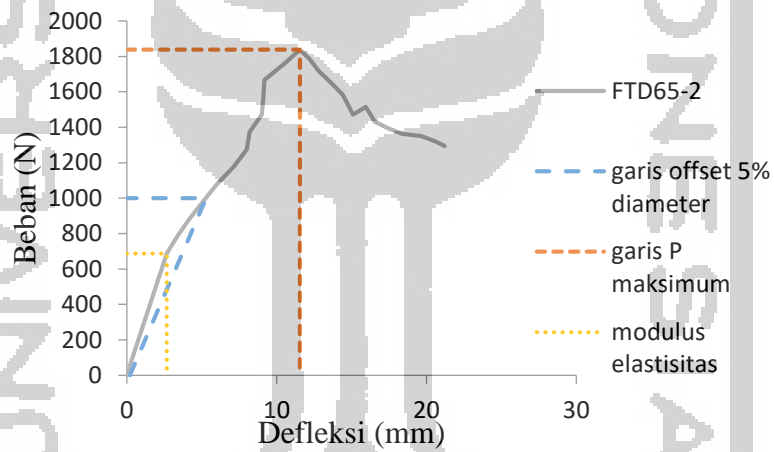
**Gambar L – 3.34** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm ke 4



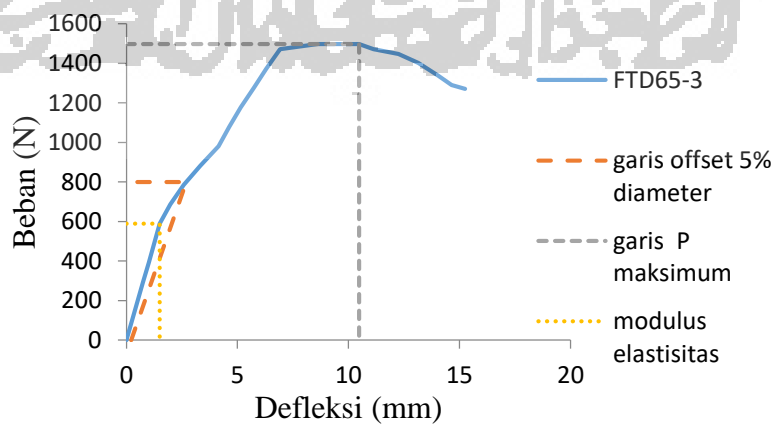
**Gambar L – 3.35** Kuat Sambung Sekrup *Fine Thread Drwall* 50 mm ke 5



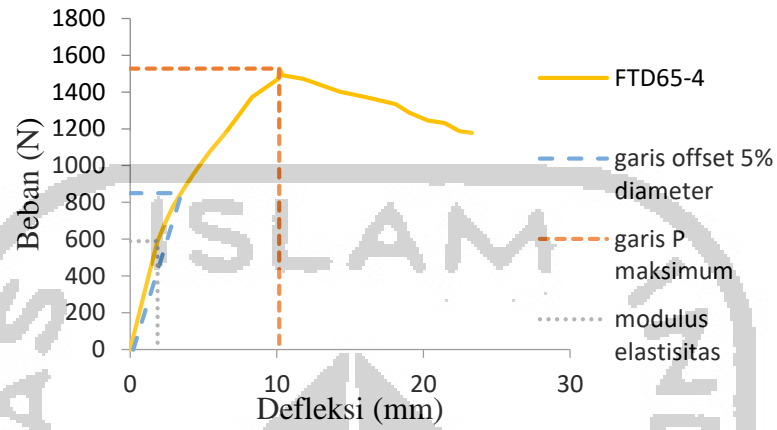
Gambar L – 3.36 Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm ke 1



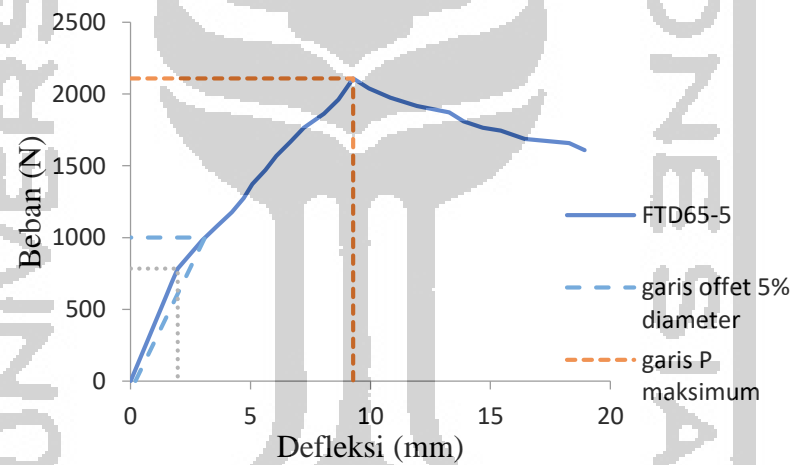
Gambar L – 3.37 Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm ke 2



**Gambar L – 3.38** Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm ke 3



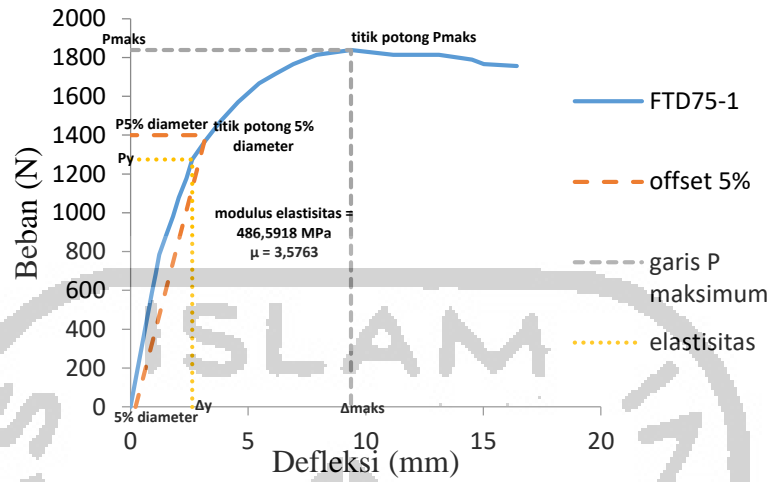
**Gambar L – 3.39** Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm ke 4



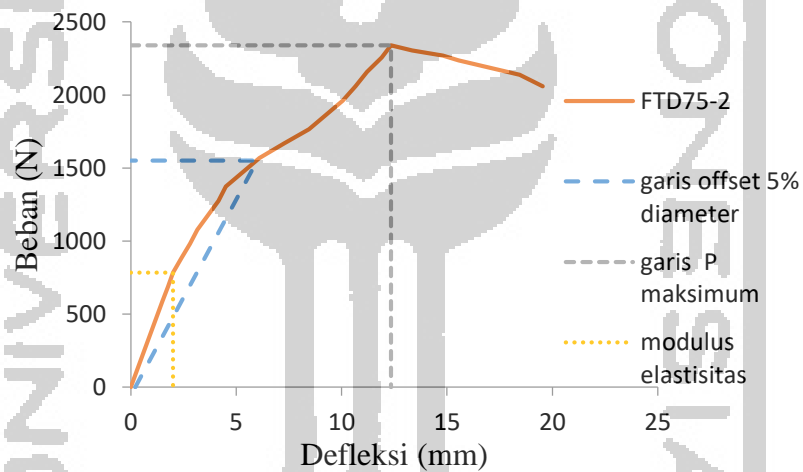
**Gambar L – 3.40** Kuat Sambung Sekrup *Fine Thread Drwall* 65 mm ke 5



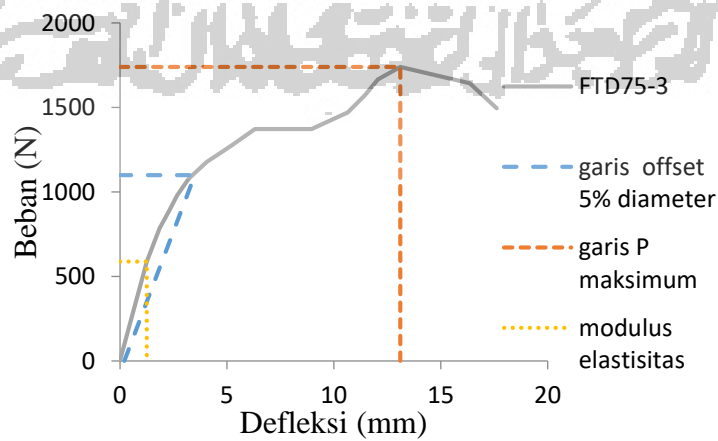




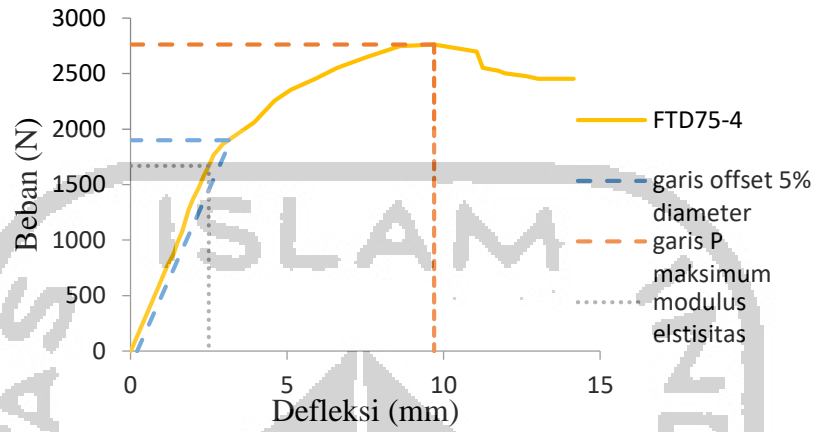
Gambar L – 3.41 Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm ke 1



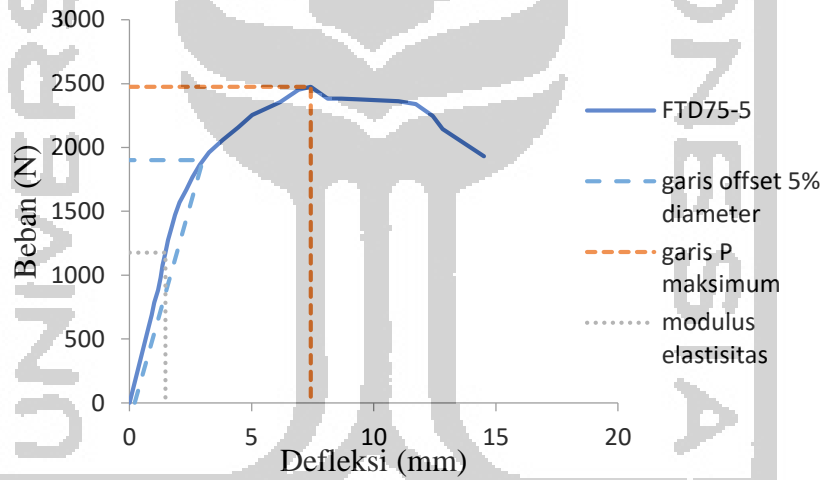
Gambar L – 3.42 Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm ke 2



**Gambar L – 3.43** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm ke 3



**Gambar L – 3.44** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm ke 4



**Gambar L – 3.45** Kuat Sambung Sekrup *Fine Thread Drwall* 75 mm ke 5



**Lampiran 4 Rekap Data Perhitungan Prediksi Mode Kegagalan Sambungan Kuat Sambung Bambu Laminasi**

No	Kode benda Uji	D akar (mm)	t (mm)	Fe 5% (MPa)	FeMax (MPa)	Fyb 5% (MPa)	FybMax (MPa)
1	FTD50-1	4.1	25	14.06829268	25.4017	84.8669	221.4565
2	FTD50-2	4.1	25	14.06829268	25.4017	84.8669	221.4565
3	FTD50-3	4.1	25	14.06829268	25.4017	84.8669	221.4565
4	FTD50-4	4.1	25	14.06829268	25.4017	84.8669	221.4565
5	FTD50-5	4.1	25	14.06829268	25.4017	84.8669	221.4565
6	FTD65-1	4.1	25	20.0000	29.9463	101.4622	279.1381
7	FTD65-2	4.1	25	20.0000	29.9463	101.4622	279.1381
8	FTD65-3	4.1	25	20.0000	29.9463	101.4622	279.1381
9	FTD65-4	4.1	25	20.0000	29.9463	101.4622	279.1381
10	FTD65-5	4.1	25	20.0000	29.9463	101.4622	279.1381
11	FTD75-1	4.1	25	35.41463415	41.33165268	128.1406248	345.0600678
12	FDT75-2	4.1	25	35.41463415	41.33165268	128.1406248	345.0600678
13	FTD75-3	4.1	25	35.41463415	41.33165268	128.1406248	345.0600678
14	FTD75-4	4.1	25	35.41463415	41.33165268	128.1406248	345.0600678
15	FTD75-5	4.1	25	35.41463415	41.33165268	128.1406248	345.0600678

**Lanjutan Lampiran 4 Rekap Data Perhitungan Prediksi Mode Kegagalan Sambungan Kuat Sambung Bambu Laminasi**

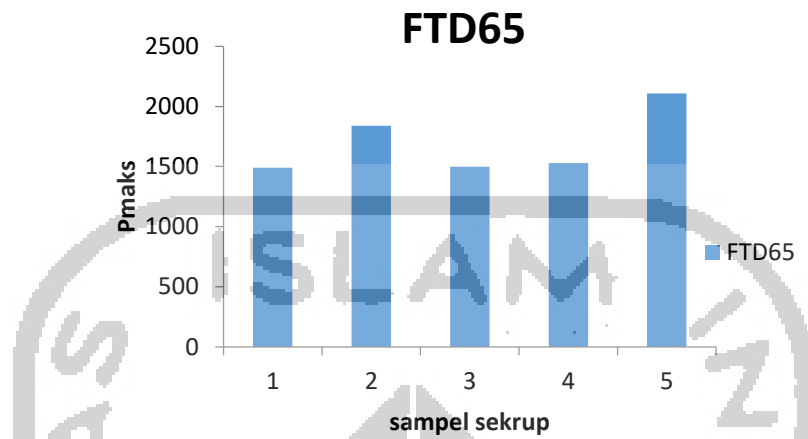
No	Prediksi Nilai Kuat Sambung						Mode Kegagalan Prediksi	Rata-rata Beban Prediksi (N)	Rata – rata Beban Offset 5% (N)	Rata – rata Beban Maksimum (N)
	Im	Is	II	III <sub>m</sub>	III <sub>s</sub>	IV				
1	655.4545	655	802.7646	856.19	876.685	152.431	IV	152.4313	890	1491.59907
2	655.4545	655.4545455	802.7646	856.19	876.685	152.431	IV	152.4313	890	1491.59907
3	655.4545	655.4545455	802.7646	856.19	876.685	152.431	IV	152.4313	890	1491.59907
4	655.4545	655.4545455	802.7646	856.19	876.685	152.431	IV	152.4313	890	1491.59907
5	655.4545	655.4545455	802.7646	856.19	876.685	152.431	IV	152.4313	890	1491.59907
6	931.8182	931.8182	1141.2395	1203.2	1227.83	198.725	IV	198.7245	890	1692.440286
7	931.8182	931.8182	1141.2395	1203.2	1227.83	198.725	IV	198.7245	890	1692.440286
8	931.8182	931.8182	1141.2395	1203.2	1227.83	198.725	IV	198.7245	890	1692.440286
9	931.8182	931.8182	1141.2395	1203.2	1227.83	198.725	IV	198.7245	890	1692.440286
10	931.8182	931.8182	1141.2395	1203.2	1227.83	198.725	IV	198.7245	890	1692.440286
11	1599.119	1599.1189	1958.5127	2159.1	2191.58	288.016	IV	288.0156	1570	2231.02425
12	1599.119	1599.1189	1958.5127	2159.1	2191.58	288.016	IV	288.0156	1570	2231.02425
13	1599.119	1599.1189	1958.5127	2159.1	2191.58	288.016	IV	288.0156	1570	2231.02425
14	1599.119	1599.1189	1958.5127	2159.1	2191.58	288.016	IV	288.0156	1570	2231.02425
15	1599.119	1599.1189	1958.5127	2159.1	2191.58	288.016	IV	288.0156	1570	2231.02425



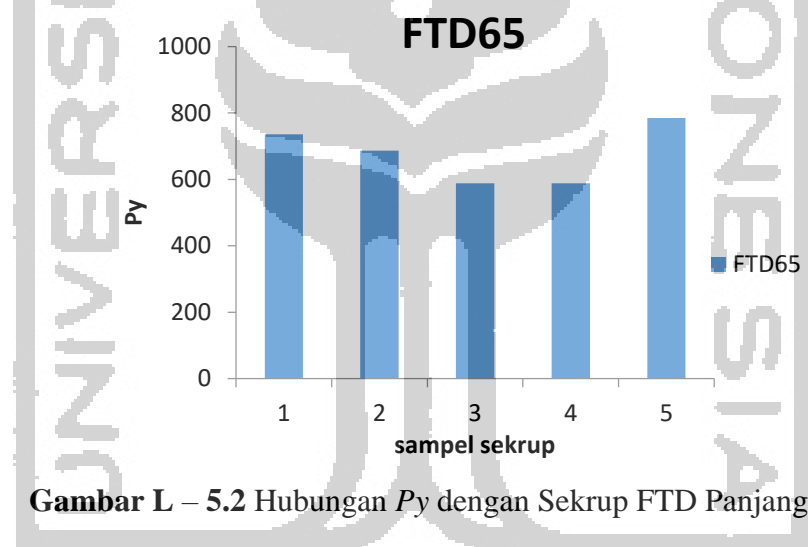
# LAMPIRAN 5



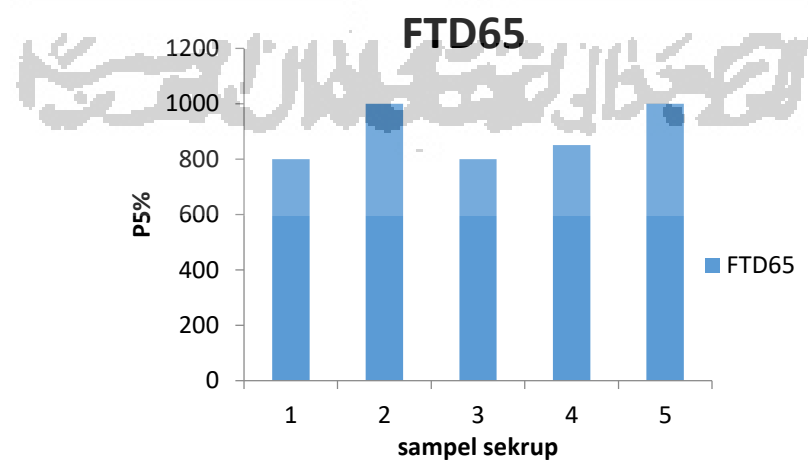
### Lampiran 5 Diagram Batang Parameter Uji



**Gambar L – 5.1** Hubungan  $P_{maks}$  dengan Sekrup FTD Panjang 65mm

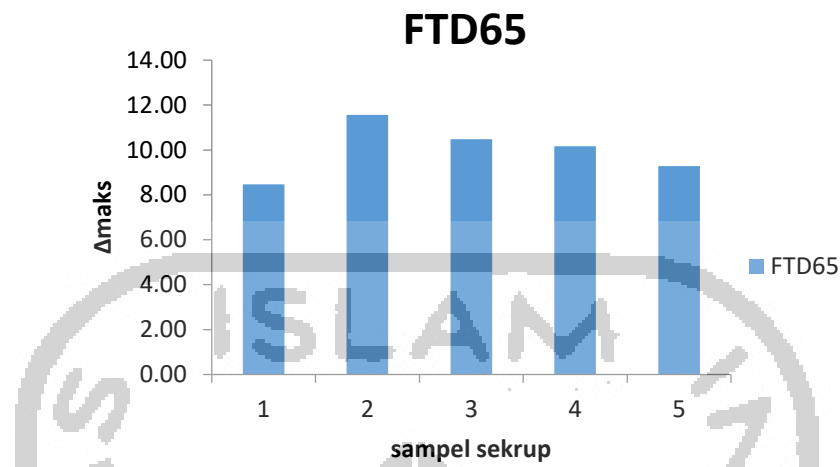


**Gambar L – 5.2** Hubungan  $P_y$  dengan Sekrup FTD Panjang 65mm

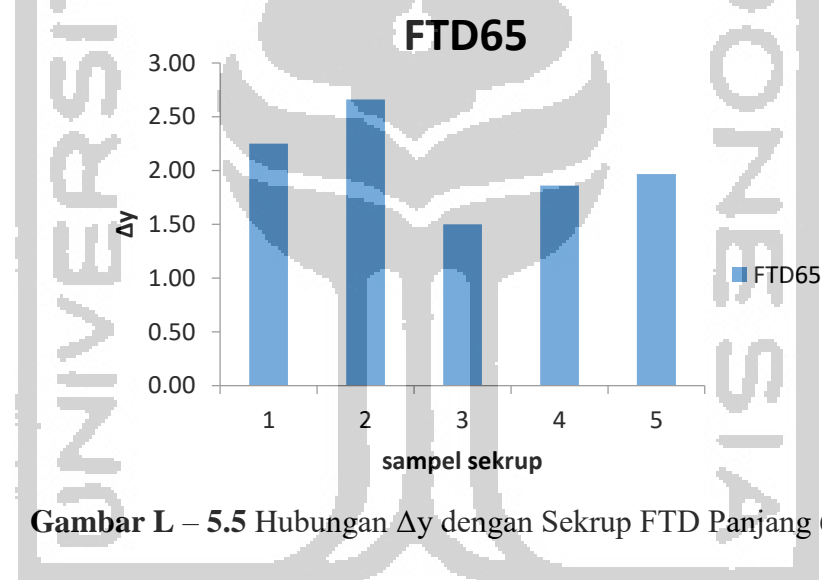


**Gambar L – 5.3** Hubungan  $P_{5\%}$  dengan Sekrup FTD Panjang 65mm

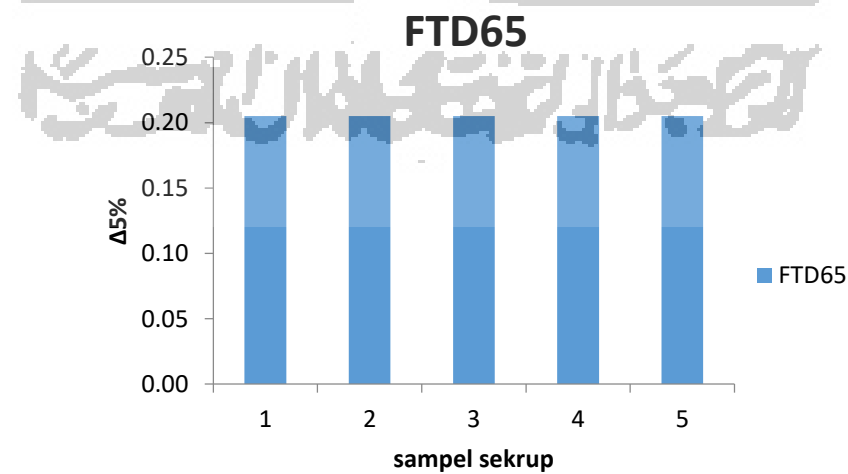




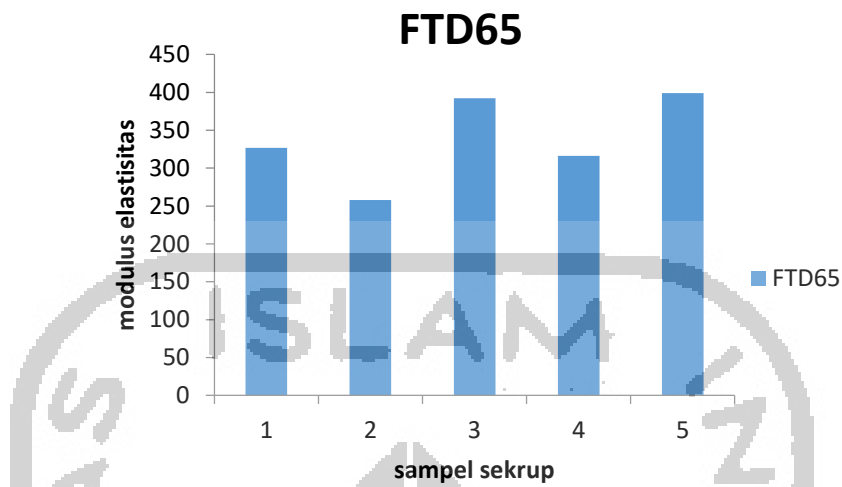
**Gambar L – 5.4** Hubungan  $\Delta_{maks}$  dengan Sekrup FTD Panjang 65mm



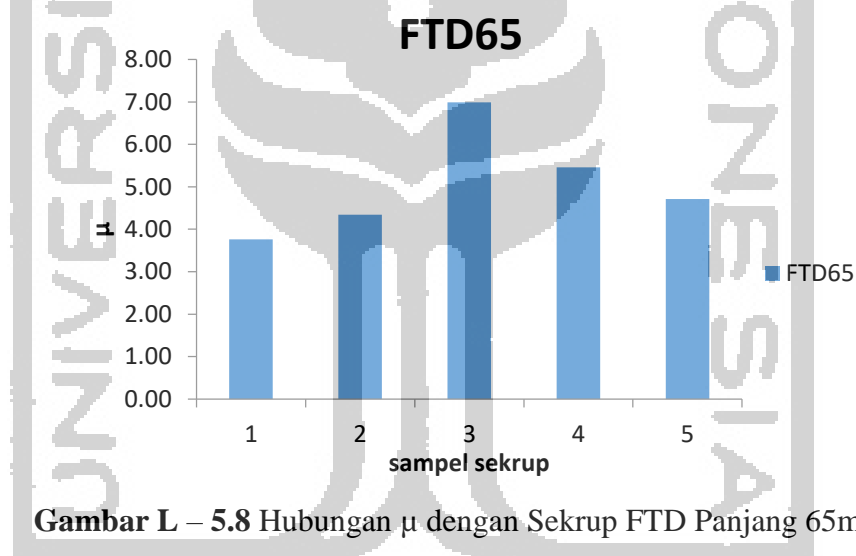
**Gambar L – 5.5** Hubungan  $\Delta y$  dengan Sekrup FTD Panjang 65mm



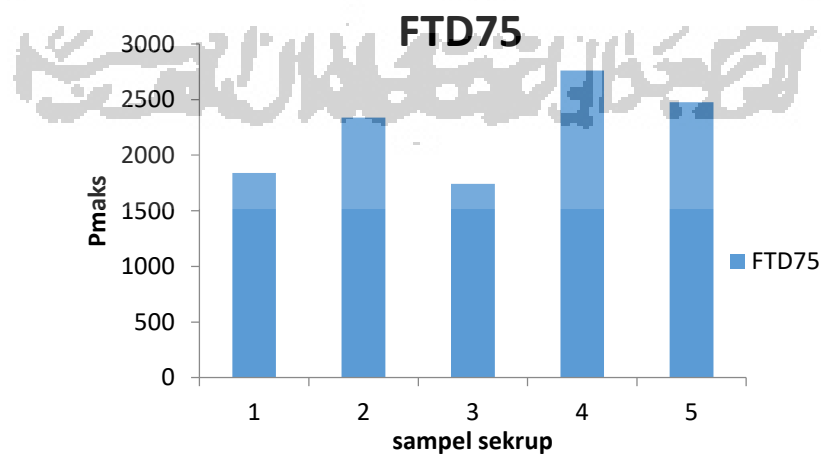
**Gambar L – 5.6** Hubungan  $\Delta_{5\%}$  dengan Sekrup FTD Panjang 65mm



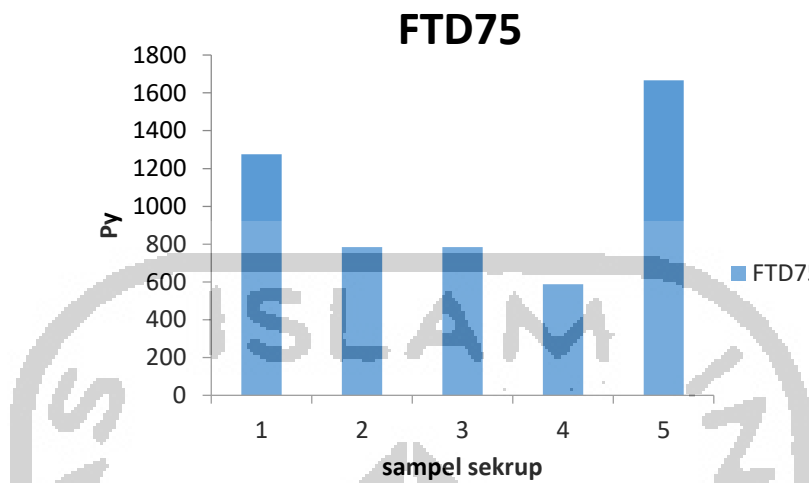
Gambar L – 5.7 Hubungan Elastisitas Pada Sekrup FTD Panjang 65mm



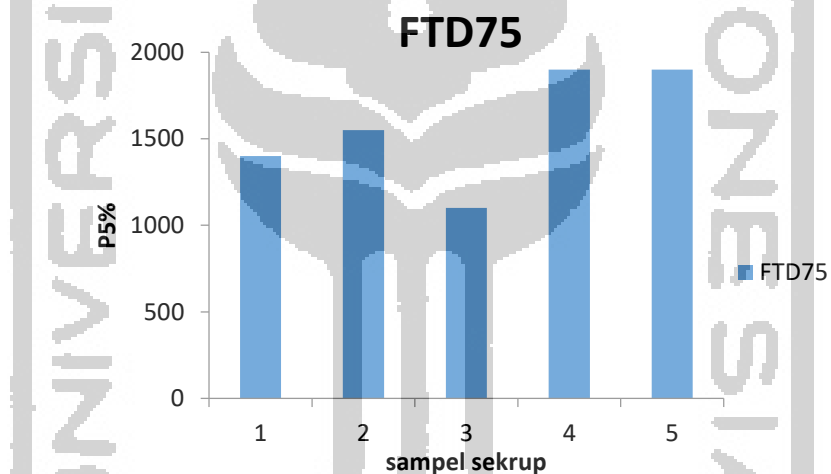
Gambar L – 5.8 Hubungan  $\mu$  dengan Sekrup FTD Panjang 65mm



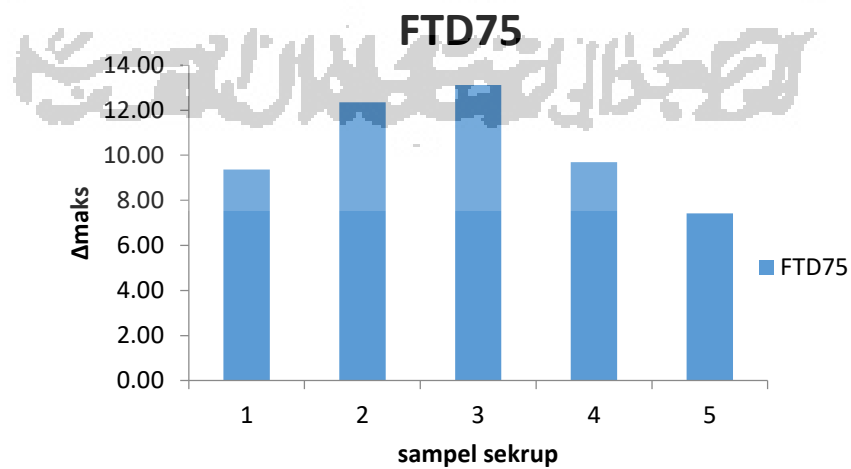
Gambar L – 5.9 Hubungan  $P_{maks}$  dengan Sekrup FTD Panjang 75mm



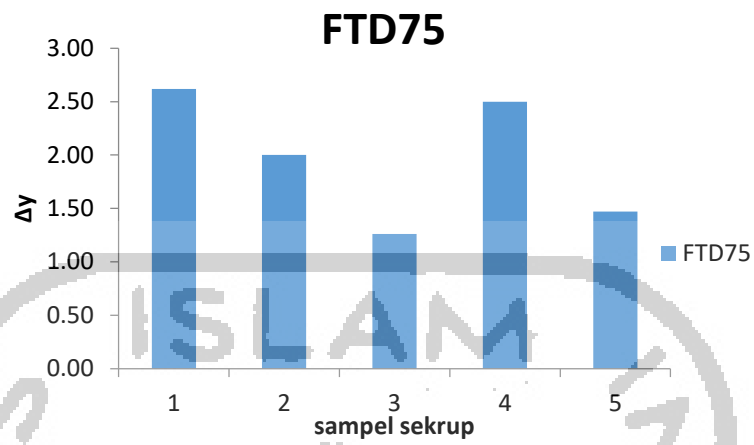
Gambar L – 5.10 Hubungan  $P_y$  dengan Sekrup FTD Panjang 75mm



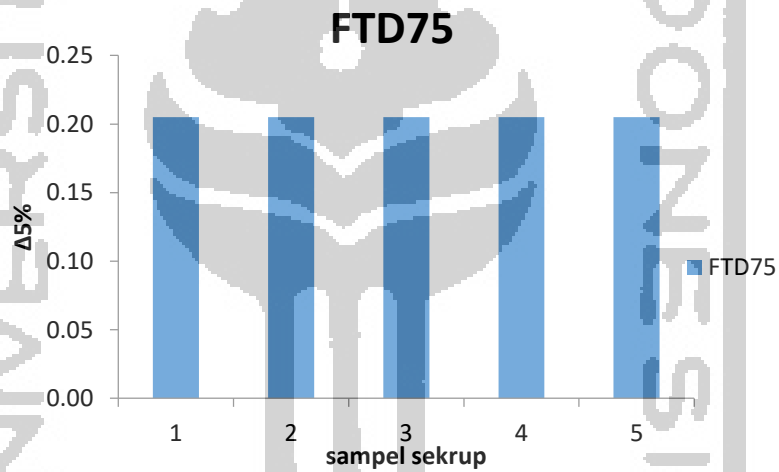
Gambar L – 5.11 Hubungan  $P_{5\%}$  dengan Sekrup FTD Panjang 75mm



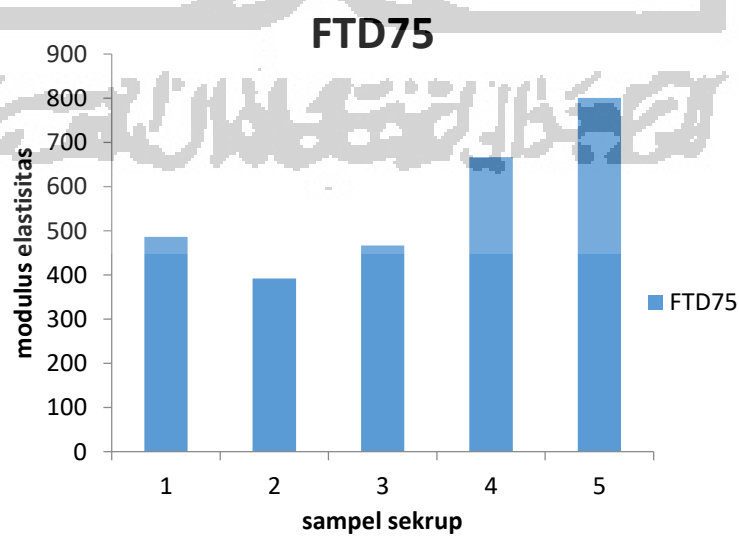
Gambar L – 5.12 Hubungan  $\Delta_{maks}$  dengan Sekrup FTD Panjang 75mm



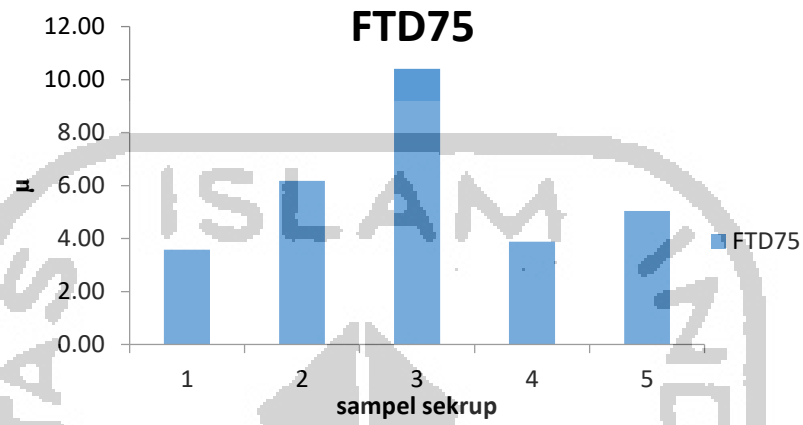
**Gambar L – 5.13** Hubungan  $\Delta y$  dengan Sekrup FTD Panjang 75mm



**Gambar L – 5.14** Hubungan  $\Delta 5\%$  dengan Sekrup FTD Panjang 75mm



**Gambar L – 5.15** Hubungan Elastisitas Pada Sekrup FTD Panjang 75mm



**Gambar L – 5.16** Hubungan  $\mu$  dengan Sekrup FTD Panjang 75mm