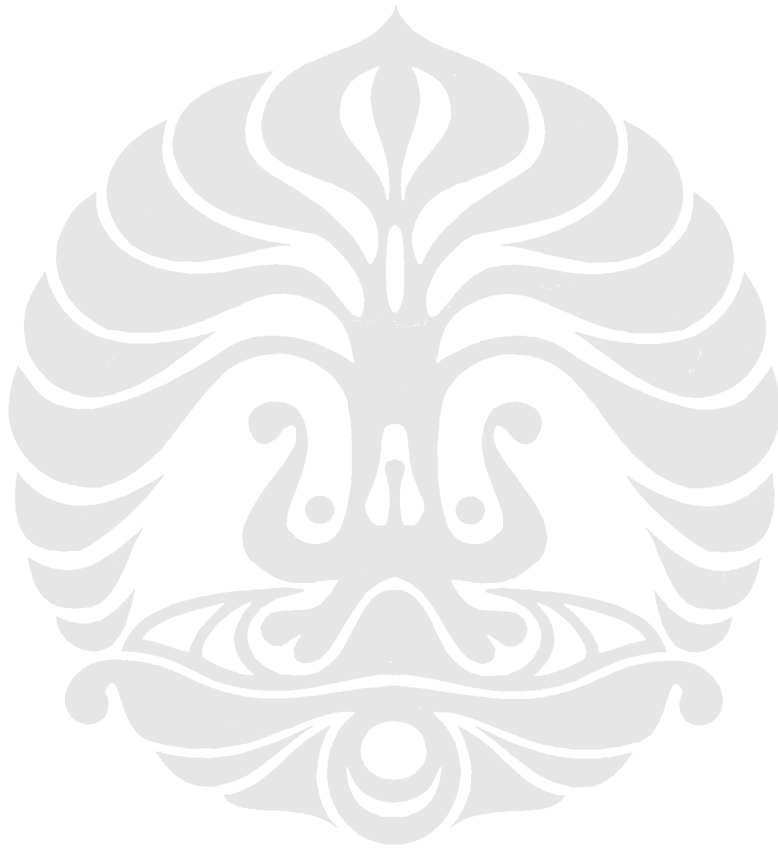
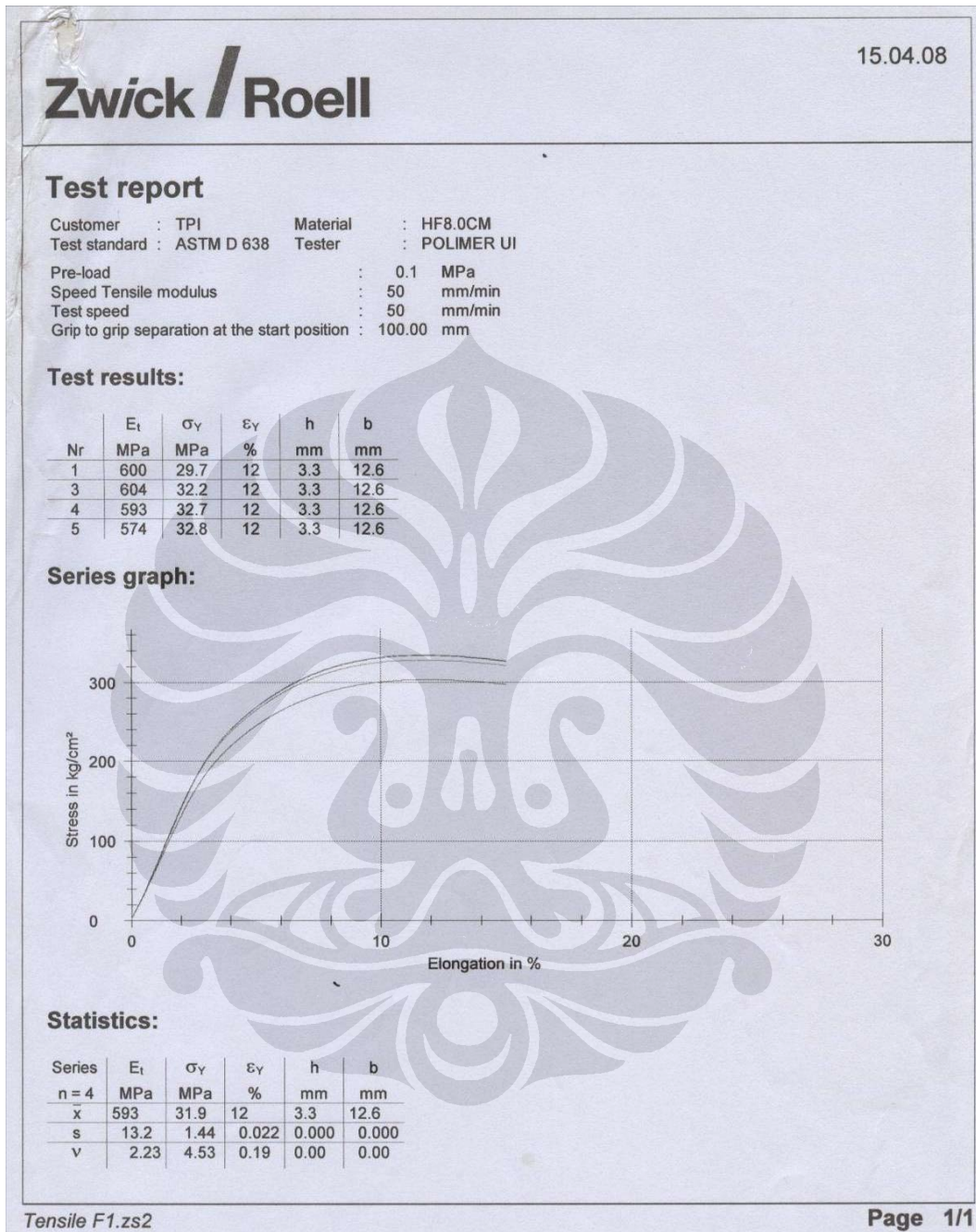


## LAMPIRAN



# LAMPIRAN 1

## Hasil Pengujian Tarik Sampel F1



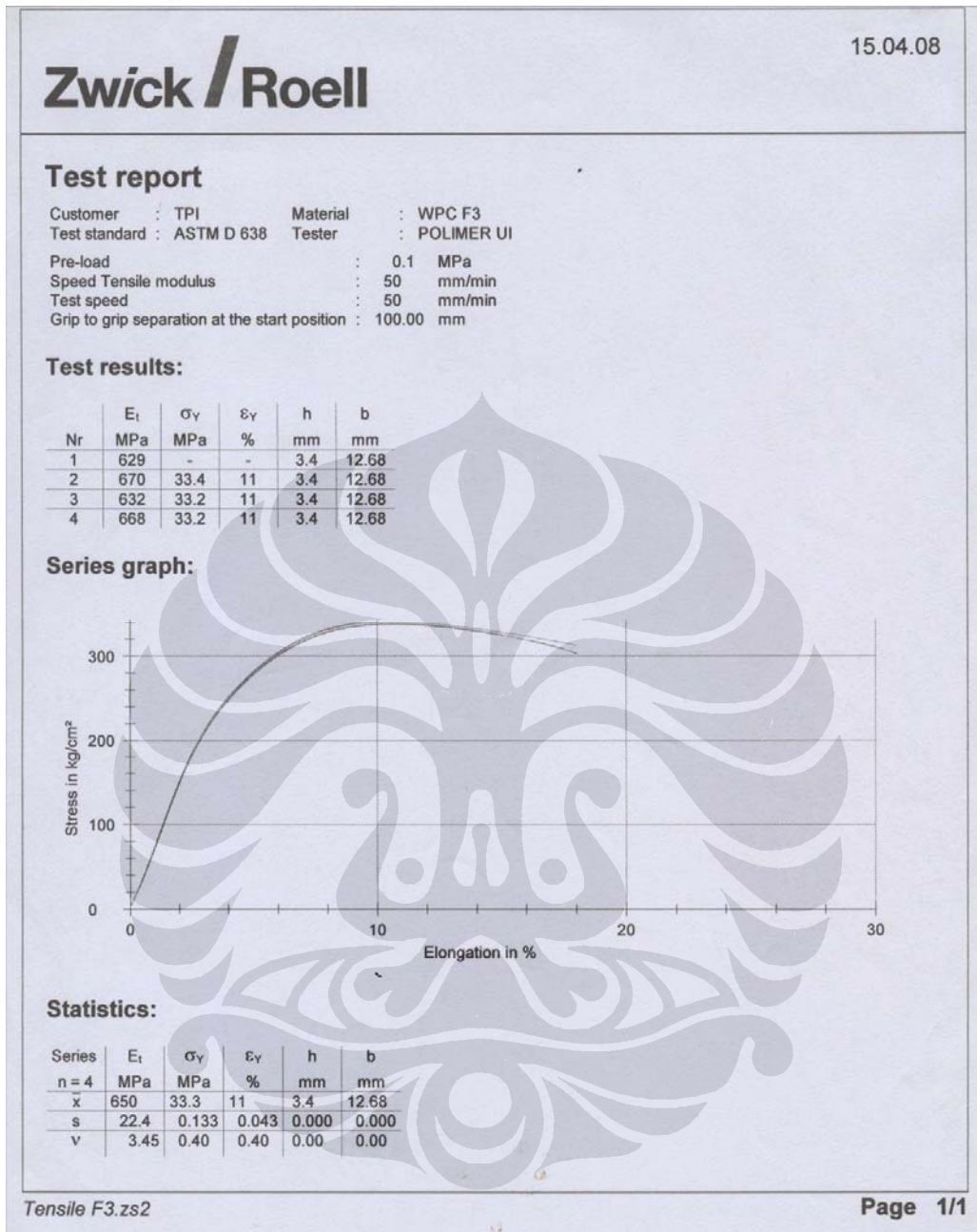


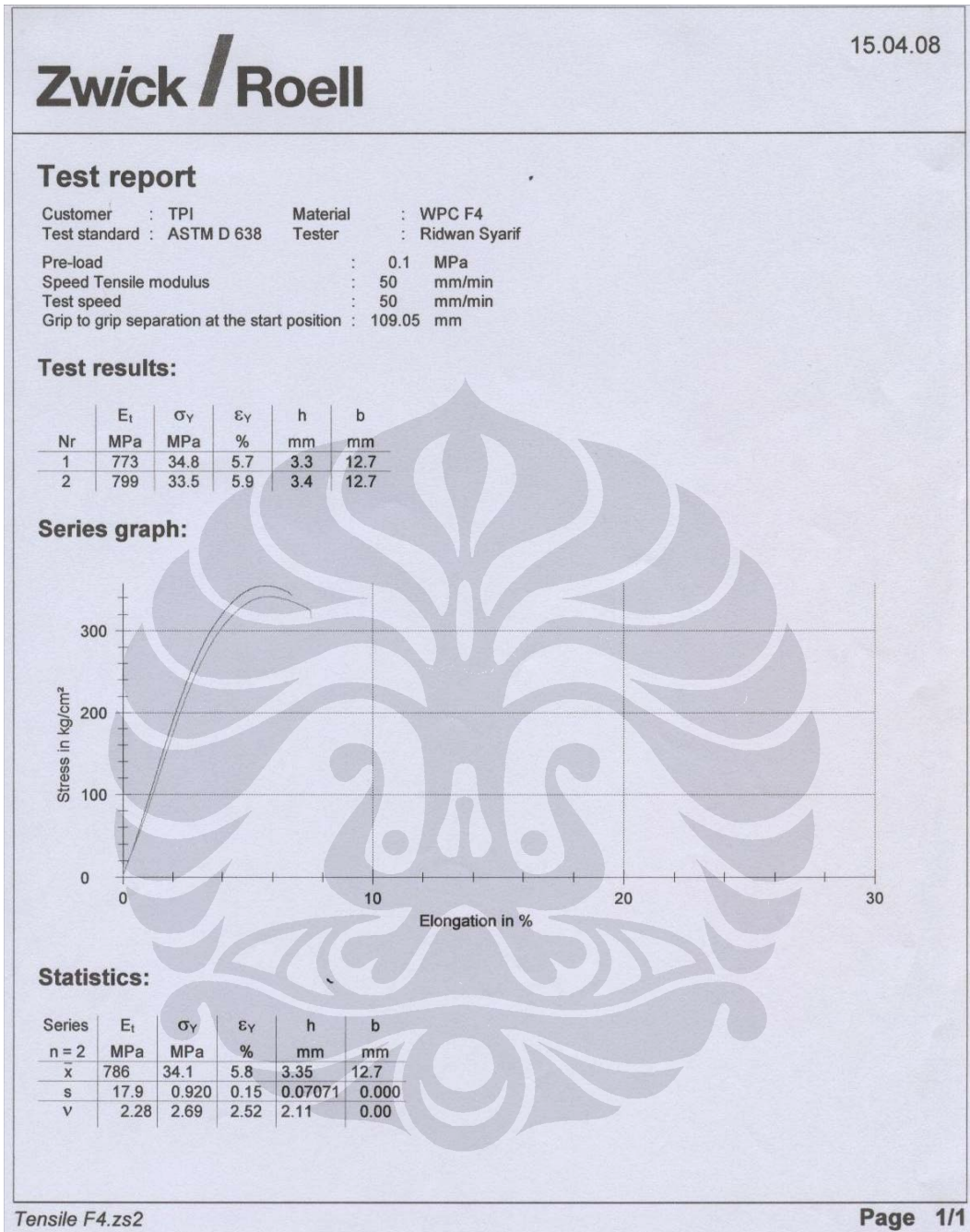


Series	$E_t$	$\sigma_Y$	$\epsilon_Y$	$\epsilon_Y$ (Corr.)	$\sigma_M$	$\epsilon_M$ (Corr.)	$\epsilon_M$	$r \cdot \epsilon_B$
n = 5	MPa	MPa	%	%	MPa	%	%	%
x	606	24.3	8.5	8.6	24.3	8.6	8.5	-
s	21.7	0.128	0.079	0.081	0.128	0.081	0.079	-
v	3.57	0.53	0.92	0.95	0.53	0.95	0.92	-



Hasil Pengujian Tarik Sampel F3



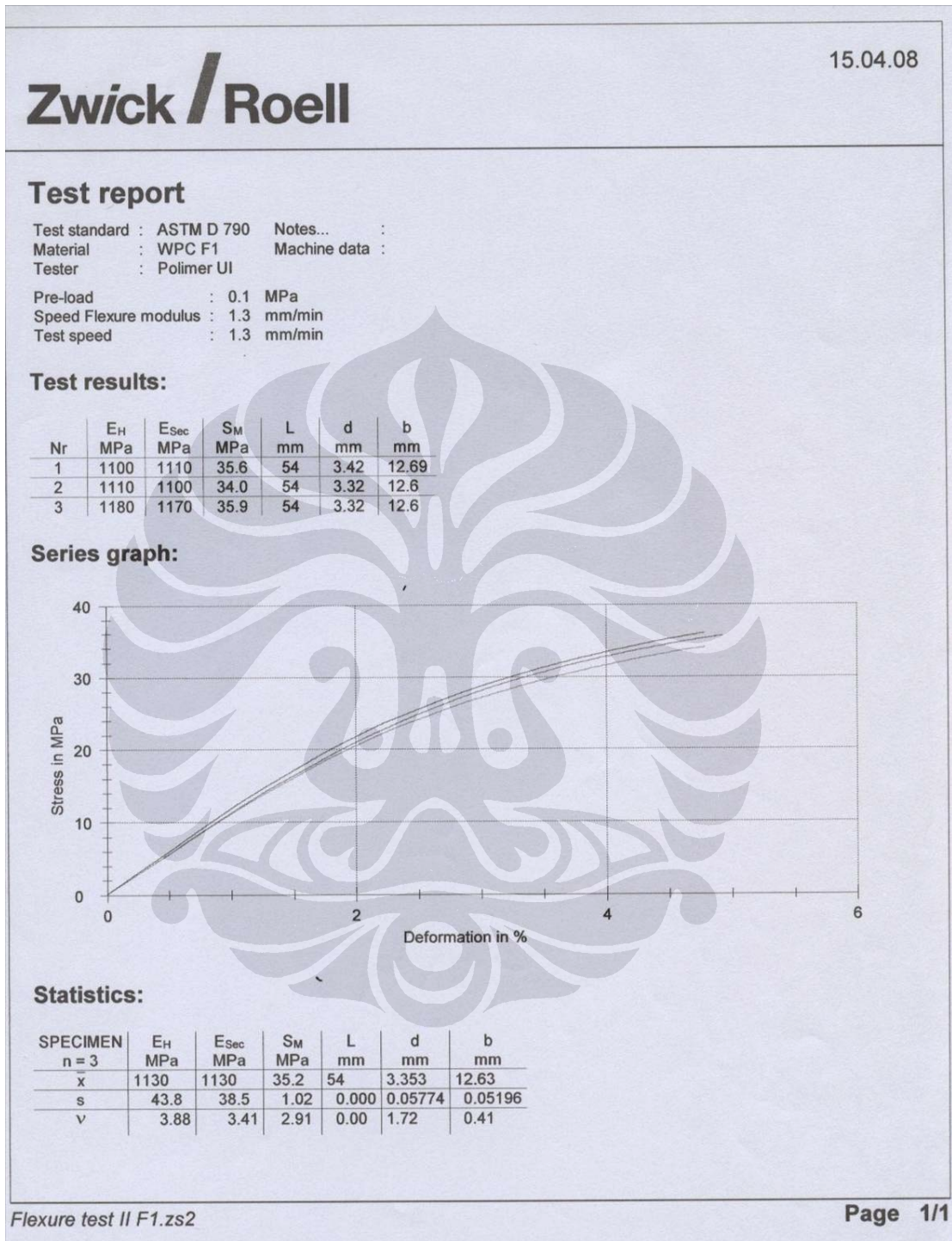






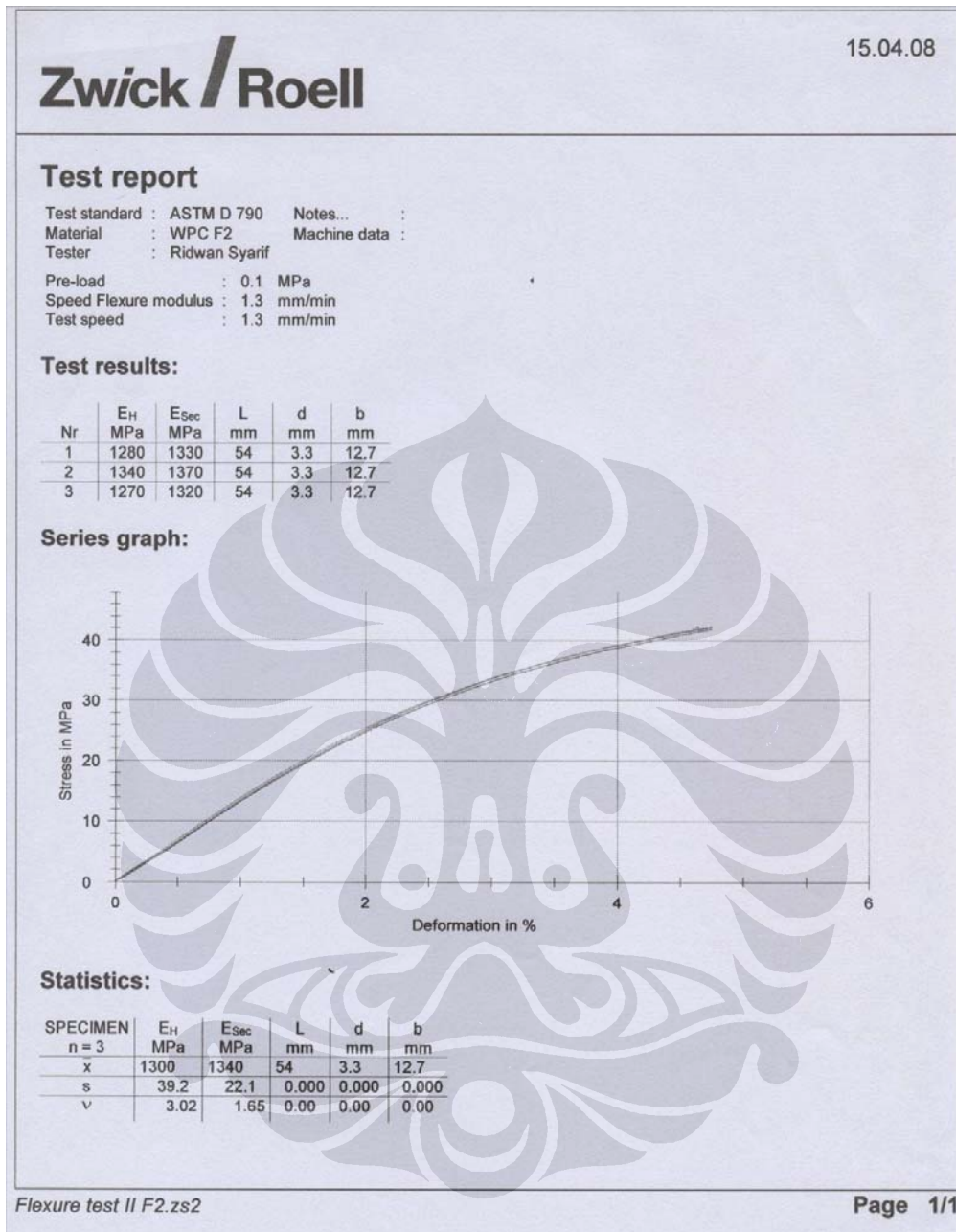
## LAMPIRAN 2

### Hasil Pengujian Fleksural Sampel F1

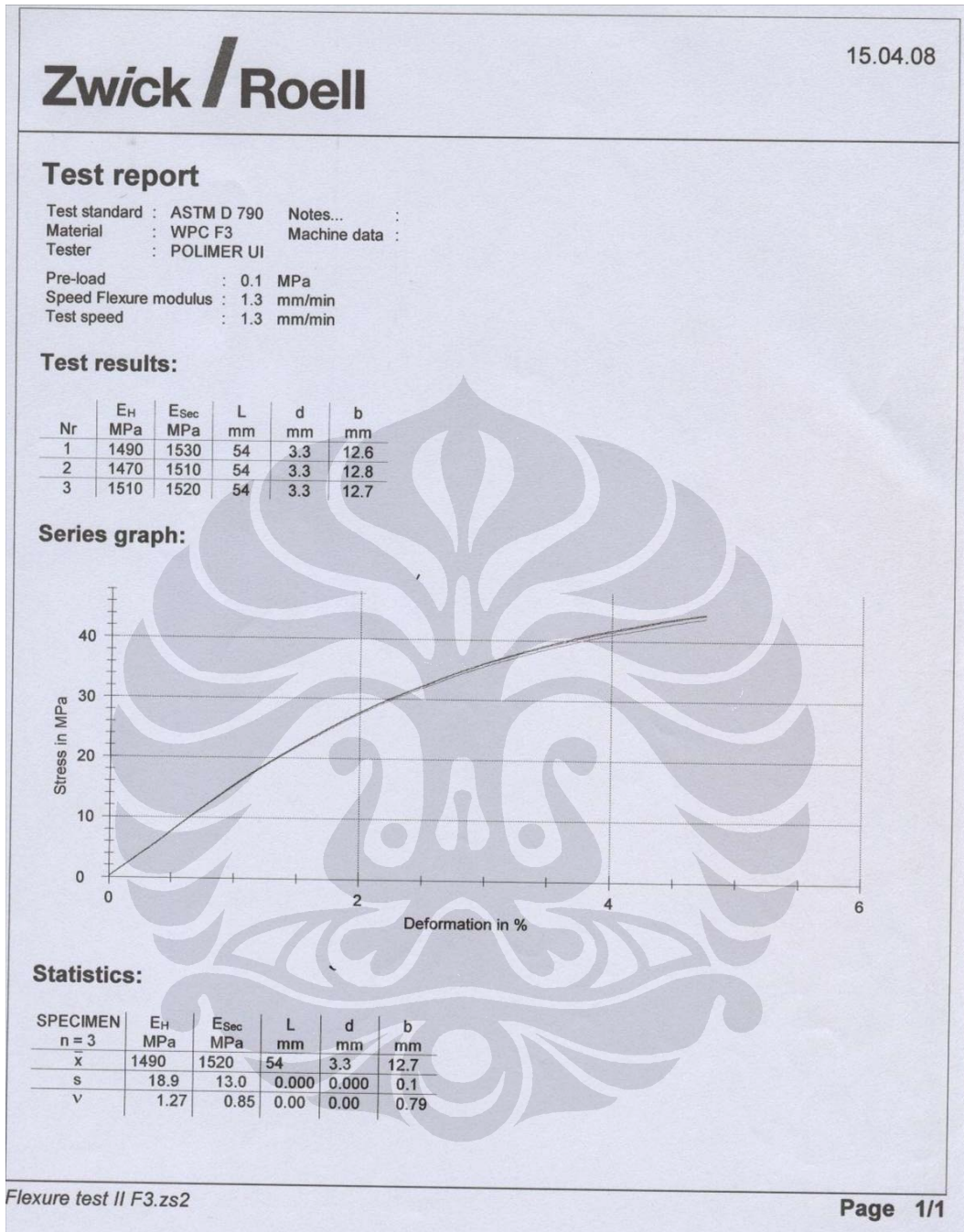




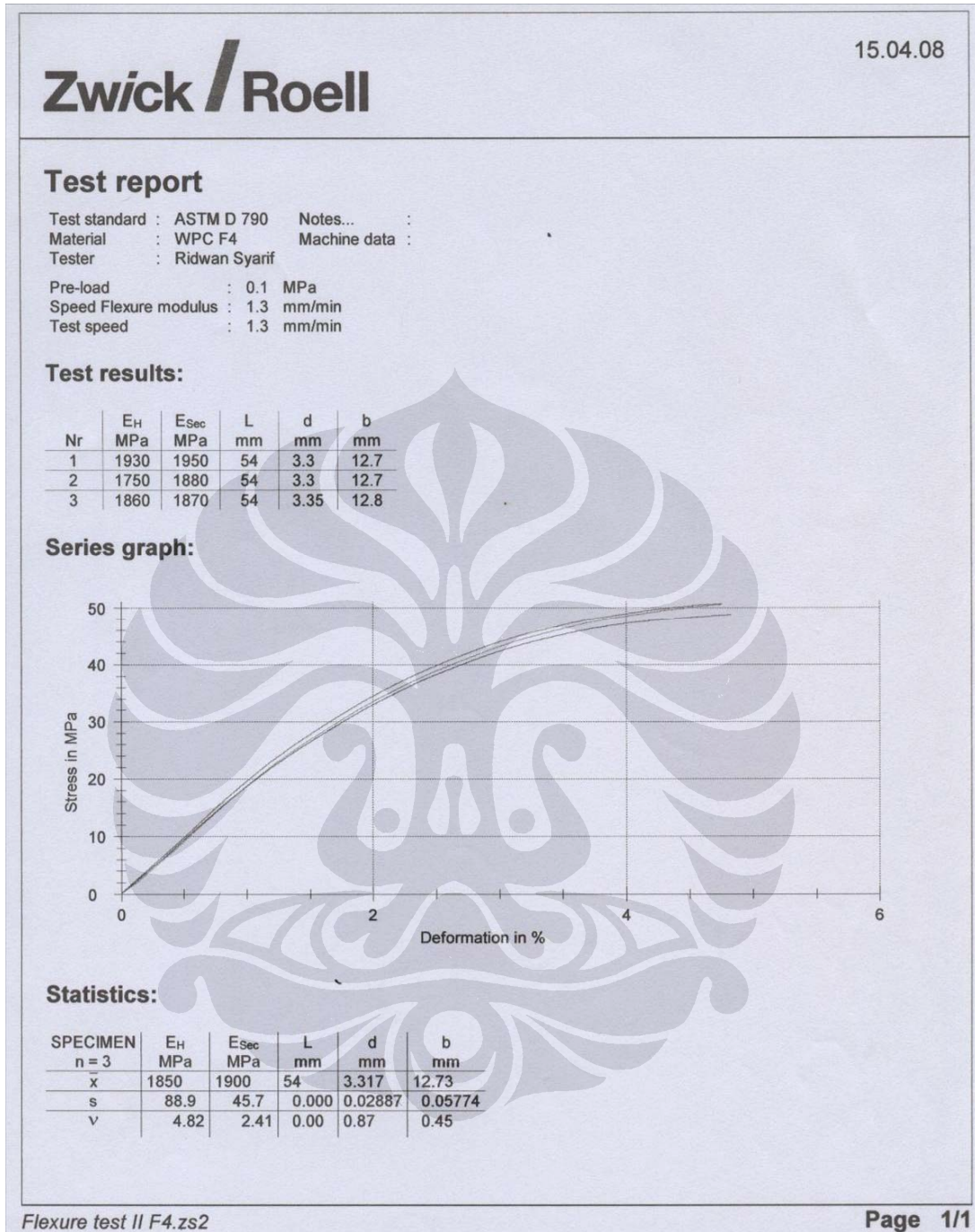
# Hasil Pengujian Fleksural Sampel F2



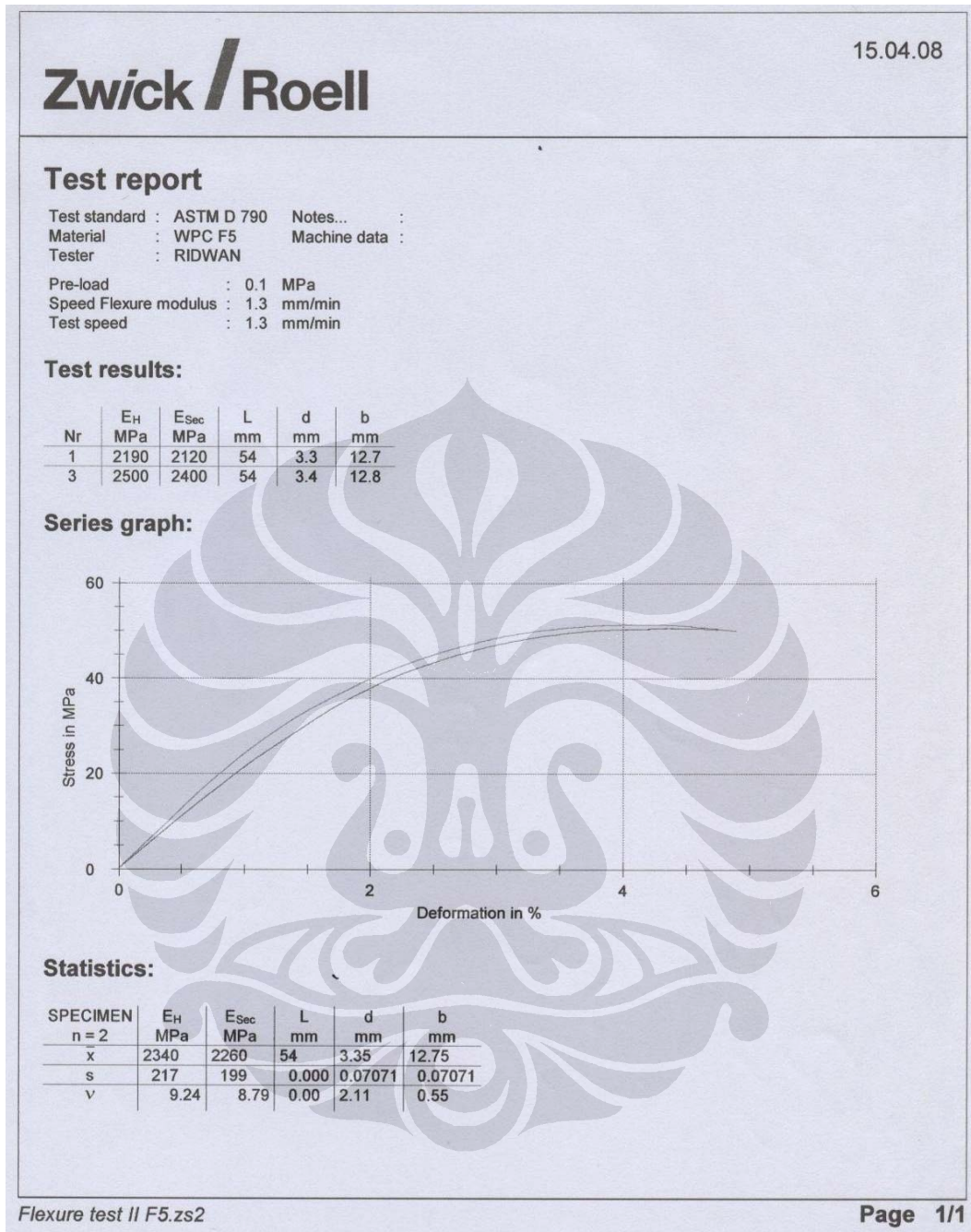
Hasil Pengujian Fleksural Sampel F3












### LAMPIRAN 3

#### Hasil Pengujian Impak Sampel F1

Zwick / Roell		15.04.2008						
<b>Test report</b>								
Tester	: POLIMER UI	Pre-treatment		: INJECTION MOLDING				
Test standard	: ASTM D 256, 2005	Machine data		:				
Material	: HF 8.0 CM							
Nominal work capacity	: 5.5 J							
Impact velocity	: 3.458 m/s							
test method	: Method D							
<b>Results:</b>								
Nr	Notch radius mm	Width mm	Depth below the notch mm	W J	ak J/m	ak-C J/m	Type of failure	Gradient J/m mm
1.1	0.25	12.7	10.16	0.07904	6.22	6.22	C	-
1.2	0.25	12.7	10.16	0.08451	6.65	6.65	C	
1.3	0.25	12.7	10.16	0.07904	6.22	6.22	C	
1.4	0.25	12.7	10.16	0.09275	7.30	7.30	C	
1.8	0.25	12.7	10.16	0.08177	6.44	6.44	C	
1.9	0.25	12.7	10.16	0.07904	6.22	6.22	C	
1.10	0.25	12.7	10.16	0.09550	7.52	7.52	C	
<b>Statistics:</b>								
Notch radius 0.25 n = 7	Notch radius mm	Width mm	Depth below the notch mm	W J	ak J/m	ak-C J/m		
x	0.25	12.7	10.16	0.08452	6.66	6.66		
Min.	0.25	12.7	10.16	0.07904	6.22	6.22		
Max.	0.25	12.7	10.16	0.09550	7.52	7.52		
s	0.000	0.000	0.000	0.00690	0.54	0.54		
v	0.00	0.00	0.00	8.17	8.17	8.17		
Notch radius 0.25 n = 0	Notch radius mm	Width mm	Depth below the notch mm	W J	ak J/m	ak-C J/m		
x	-	-	-	-	-	-		
Min.	-	-	-	-	-	-		
Max.	-	-	-	-	-	-		
s	-	-	-	-	-	-		
v	-	-	-	-	-	-		
WPC F1.zs2							Page 1/1	




15.04.2008

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**Test report**

Tester : RIDWAN SYARIF      Pre-treatment : INJECTION MOLDING  
 Test standard : ASTM D 256, 2005      Machine data :  
 Material : WPC F2

Nominal work capacity : 5.5 J  
 Impact velocity : 3.458 m/s  
 test method : Method A

**Results:**

Nr	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	ak-C J/m	ak-P J/m	ak-N J/m	Type of failure
1	1	12.7	10.16	0.06280	1.1	4.94	-	-	C
3	2	12.7	10.16	0.07090	1.3	5.58	-	-	C
5	3	12.7	10.16	0.08451	1.5	6.65	-	-	C

**Statistics:**

Series n = 3	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	ak-C J/m	ak-P J/m	ak-N J/m
x	2	12.7	10.16	0.07273	1.3	5.73	-	-
Min.	1	12.7	10.16	0.06280	1.1	4.94	-	-
Max.	3	12.7	10.16	0.08451	1.5	6.65	-	-
s	1	0.000	0.000	0.01097	0.2	0.86	-	-
v	50.00	0.00	0.00	15.08	15.08	15.08	-	-

WPC F2.zs2
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15.04.2008

# Zwick / Roell

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## Test report

Tester : RIDWAN SYARIF      Pre-treatment : INJECTION MOLDING  
 Test standard : ASTM D 256, 2005      Machine data :  
 Material : WPC F4

Nominal work capacity : 5.5 J  
 Impact velocity : 3.458 m/s  
 test method : Method A

### Results:

Nr	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	W(Friction) J	ak-C J/m	ak-P J/m	ak-N J/m	Type of failure
2	1	12.7	10.16	0.07361	1.3	0.02	5.80	-	-	C
3	2	12.7	10.16	0.08999	1.6	0.02	7.09	-	-	C
4	3	12.7	10.16	0.06280	1.1	0.02	4.94	-	-	C
5	4	12.7	10.16	0.06011	1.1	0.02	4.73	-	-	C
6	5	12.7	10.16	0.08177	1.5	0.02	6.44	-	-	C


### Statistics:

Series	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	W(Friction) J	ak-C J/m	ak-P J/m	ak-N J/m
n = 5									
x	3	12.7	10.16	0.07366	1.3	0.02	5.80	-	-
Min.	1	12.7	10.16	0.06011	1.1	0.02	4.73	-	-
Max.	5	12.7	10.16	0.08999	1.6	0.02	7.09	-	-
s	2	0.000	0.000	0.01259	0.2	0.00	0.99	-	-
v	52.70	0.00	0.00	17.09	17.09	0.14	17.09	-	-

WPC F4.zs2
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# Hasil Pengujian Impak Sampel F5


15.04.2008

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**Test report**

Tester : RIDWAN SYARIF      Pre-treatment : INJECTION MOLDING  
 Test standard : ASTM D 256, 2005      Machine data :  
 Material : WPC F5

Nominal work capacity : 5.5 J  
 Impact velocity : 3.458 m/s  
 test method : Method A

**Results:**

Nr	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	W(Friction) J	ak-C J/m	ak-P J/m	ak-N J/m	Type of failure
1	1	12.7	10.16	0.04412	-	-	3.47	-	-	C
2	2	12.7	10.16	0.05476	-	-	4.31	-	-	C
4	3	12.7	10.16	0.04412	-	-	3.47	-	-	C
5	4	12.7	10.16	0.04412	-	-	3.47	-	-	C
6	5	12.7	10.16	0.04412	-	-	3.47	-	-	C

**Statistics:**

Series n = 5	Specimen no.	Width mm	Depth below the notch mm	W J	W(%) %	W(Friction) J	ak-C J/m	ak-P J/m	ak-N J/m
x	3	12.7	10.16	0.04625	-	-	3.64	-	-
Min.	1	12.7	10.16	0.04412	-	-	3.47	-	-
Max.	5	12.7	10.16	0.05476	-	-	4.31	-	-
s	2	0.000	0.000	0.00476	-	-	0.37	-	-
v	52.70	0.00	0.00	10.29	-	-	10.29	-	-

WPC F5.zs2
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