

LAMPIRAN

1. Proses pengecoran





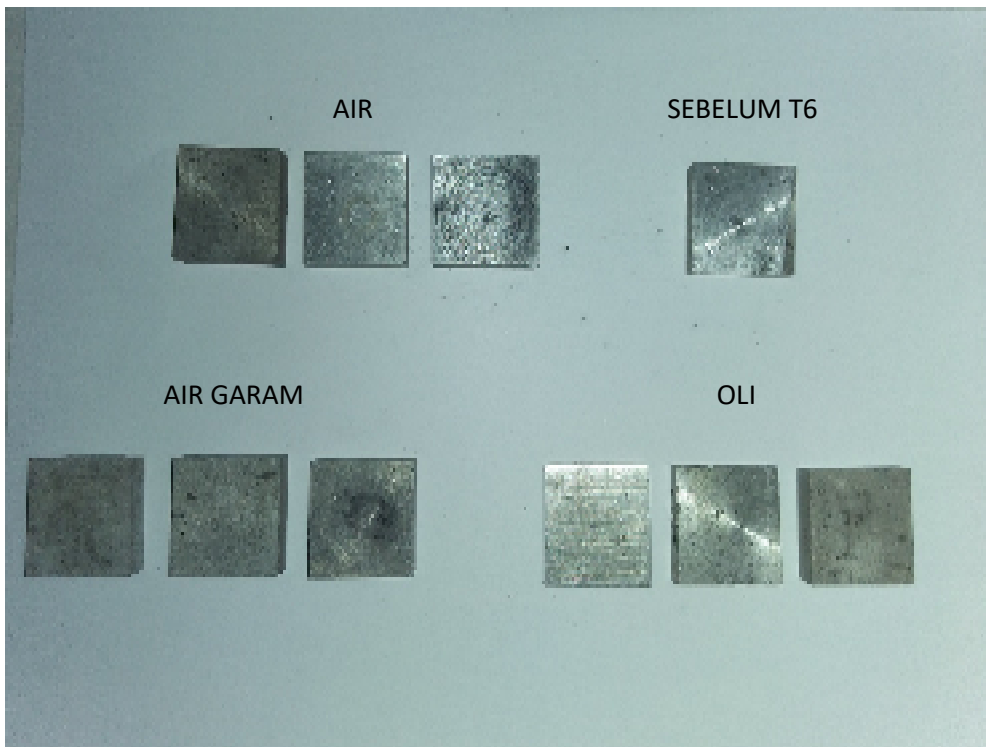


2. Proses perlakuan panas T6





6. Sepesimen Uji Kekerasan



7. Uji Kekerasan



8. Hasil Uji Kekerasan

	Laboratorium Material Teknik Teknik Mesin UNTAG Surabaya
	LEMBAR DATA UJI KEKERASAN METODE ROCKWELL
Nama / Jenis Bahan : AL + Fe	
Tanggal pengujian :	

No	Benda Uji		Beban Penekanan	Waktu Penekanan	Indentor	HRB	Rata-rata HRB
	Media Pendingin	Temperatur Aging					
1	Air	140°C	100 Kg	5 detik	1/16" ball	63	61,2
						65	
						64	
						64	
		65					
		63					
	160°C	100 Kg	5 detik	1/16" ball	65	63,4	
					65		
					65		
					64		
	180°C	100 Kg	5 detik	1/16" ball	64	63,2	
					62		
64							
63							

5/6/2014
 L. S. G. K. Kekarasan

 LAB. LOGAM
 UNTAG AS
 SURABAYA

2	Air Garam	140°C	100 Kg	5 detik	1/16" ball	60 66 67 69 65	66,2		
		160°C	100 Kg	5 detik	1/16" ball	65 69 62 64 65		64	
		180°C	100 Kg	5 detik	1/16" ball	60 65 69 62 61			63,4
	3	Oli	140°C	100 Kg	5 detik	1/16" ball	66 65 69 60 65	64	
			160°C	100 Kg	5 detik	1/16" ball	60 62 60 62 69		63,2
			180°C	100 Kg	5 detik	1/16" ball	62 69 65 61 63		
		4	Sebelum T6 Al 6061-Fe		100 Kg	5 detik	1/16" ball	63 63 62 69 63 62	62,8

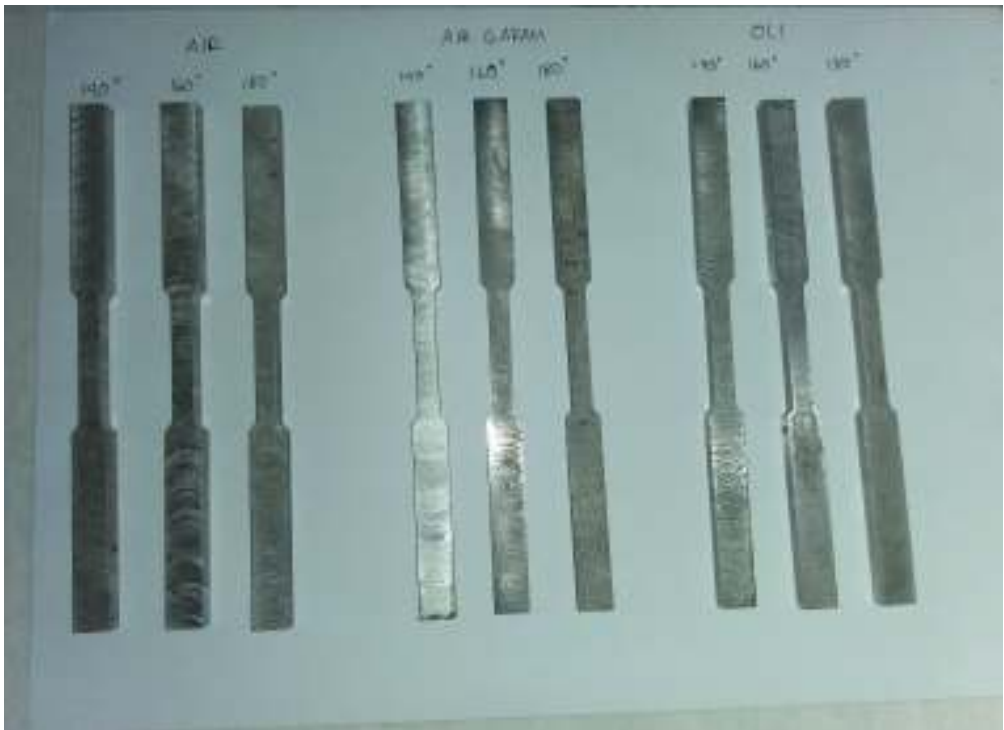
Laboran



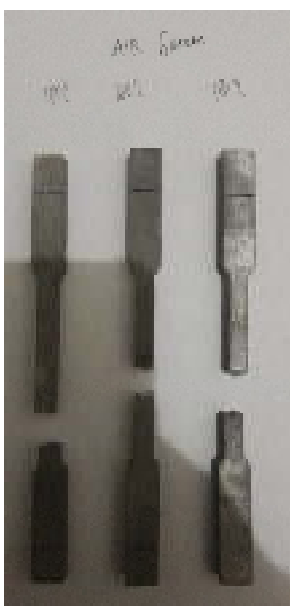
8. Uji Tarik



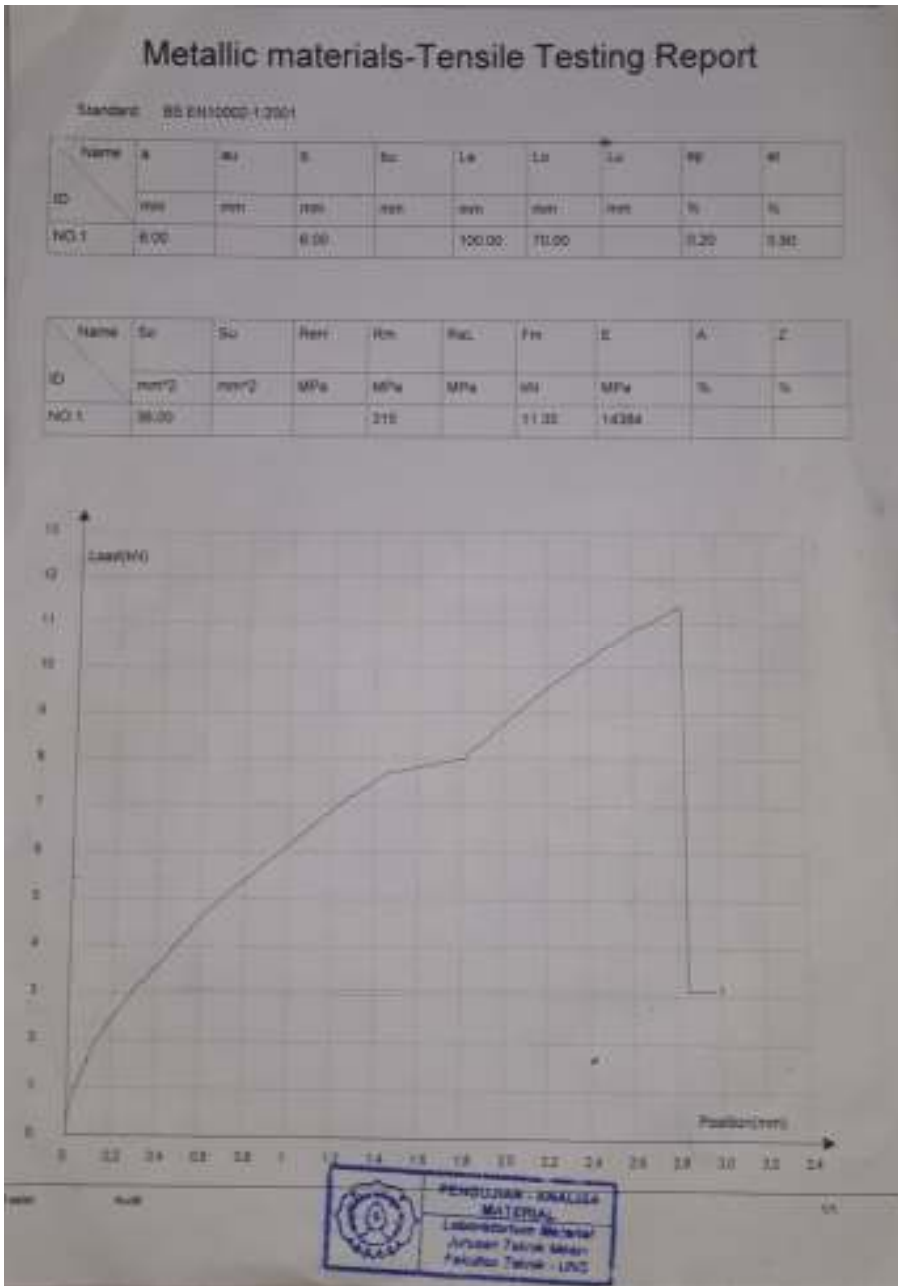
Spesimen Uji Tarik



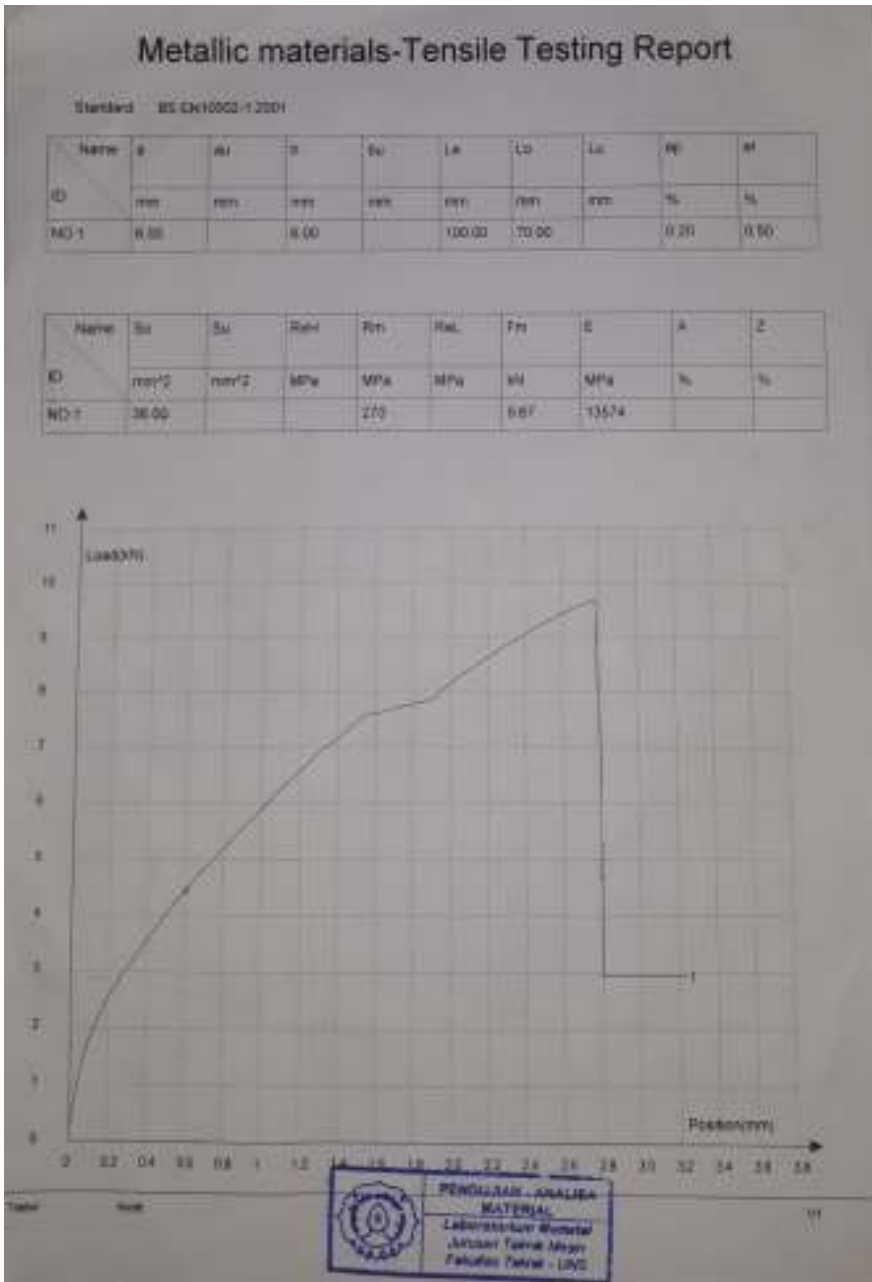
Setelah Di Uji Tarik

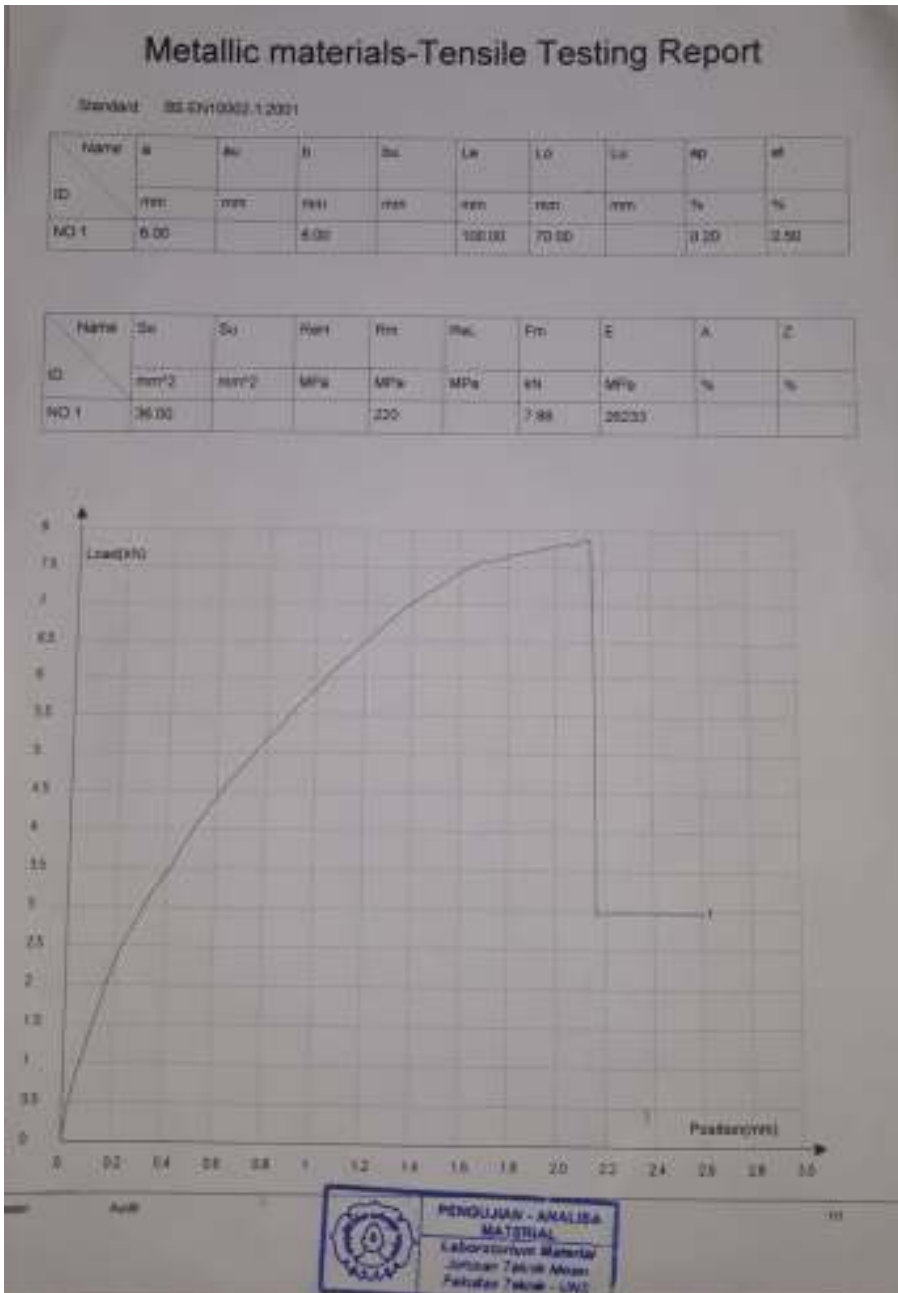


Oli 140

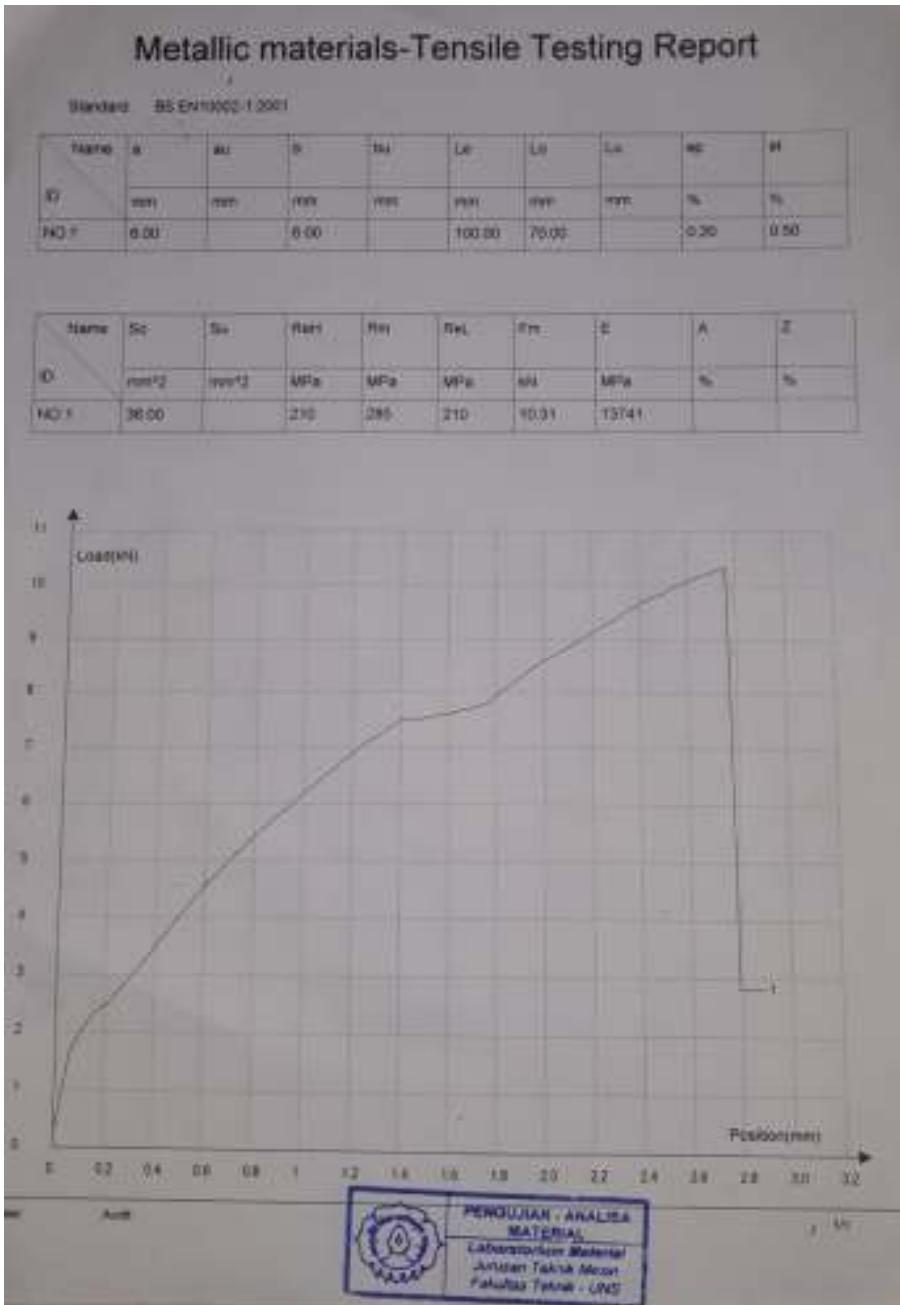


Oli 160

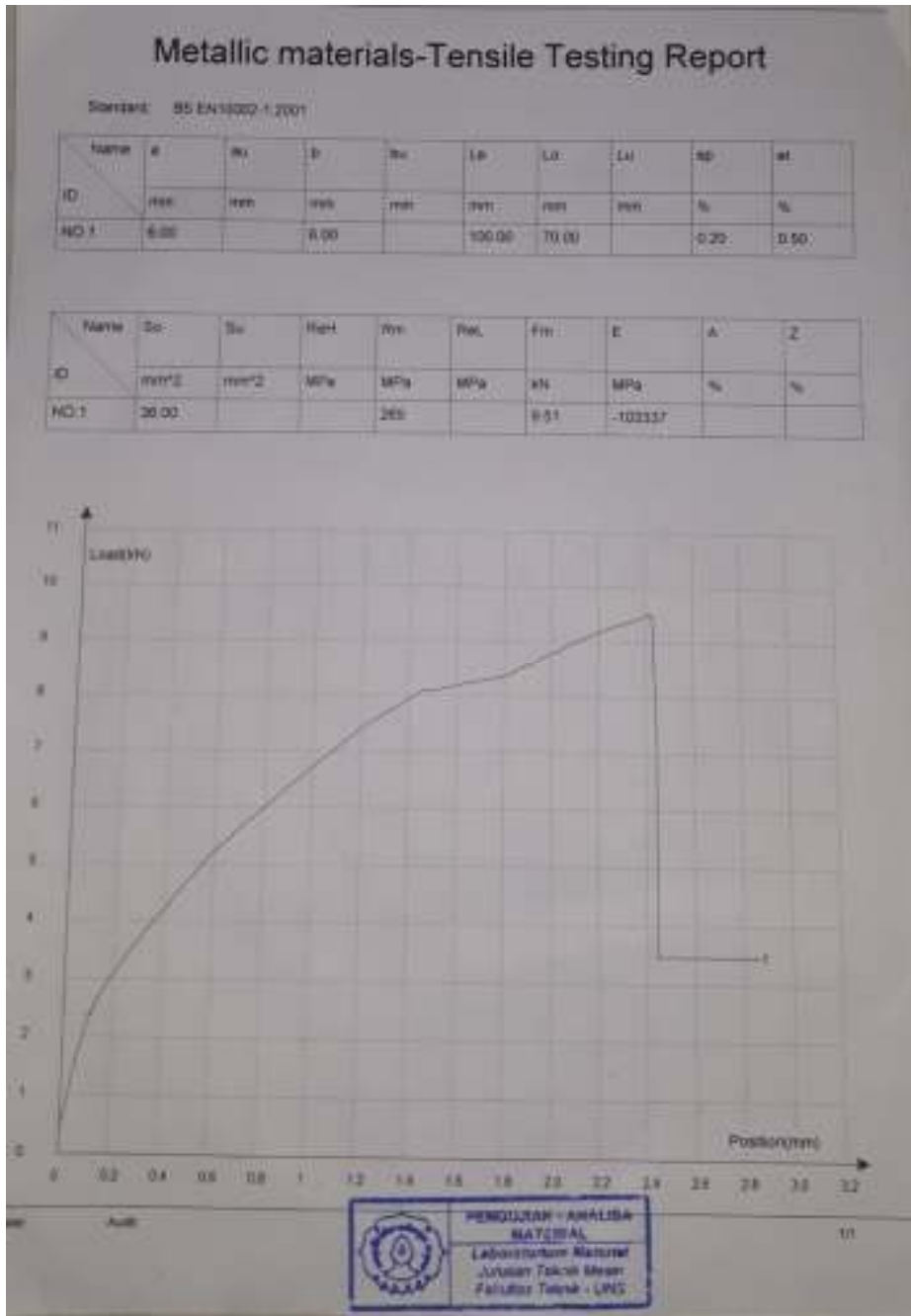




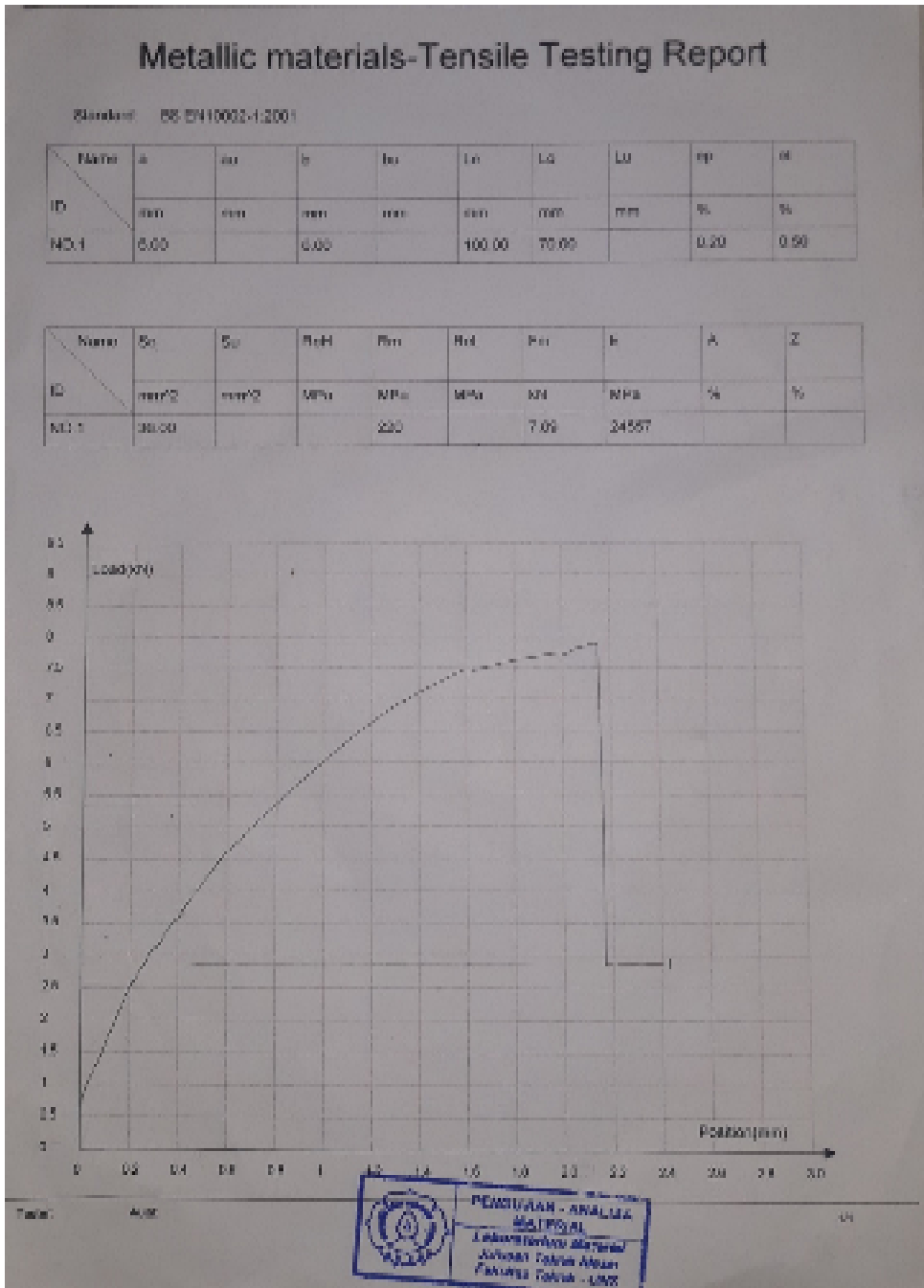
Air Garam 140



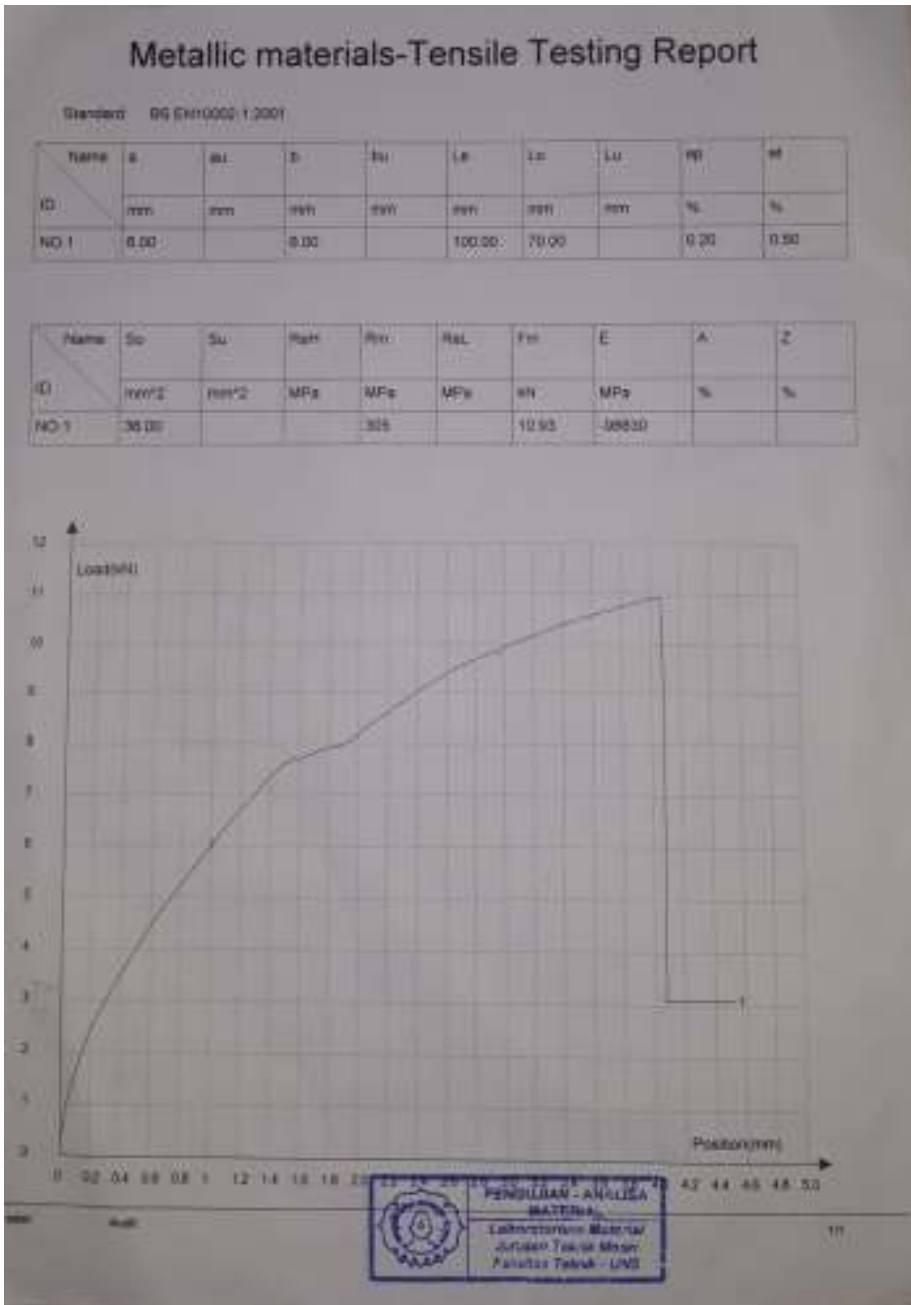
Air Garam 160



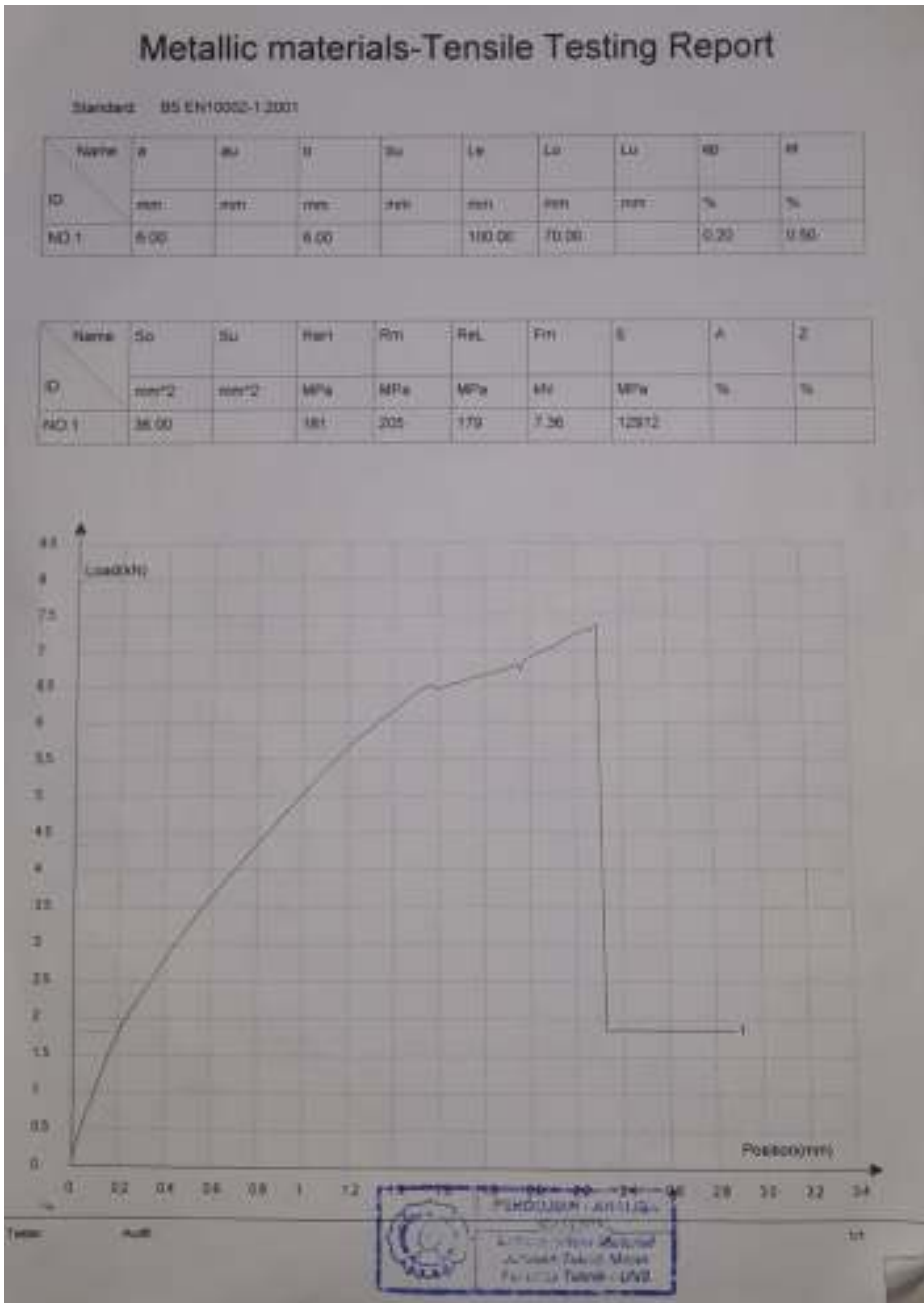
Air Garam 180

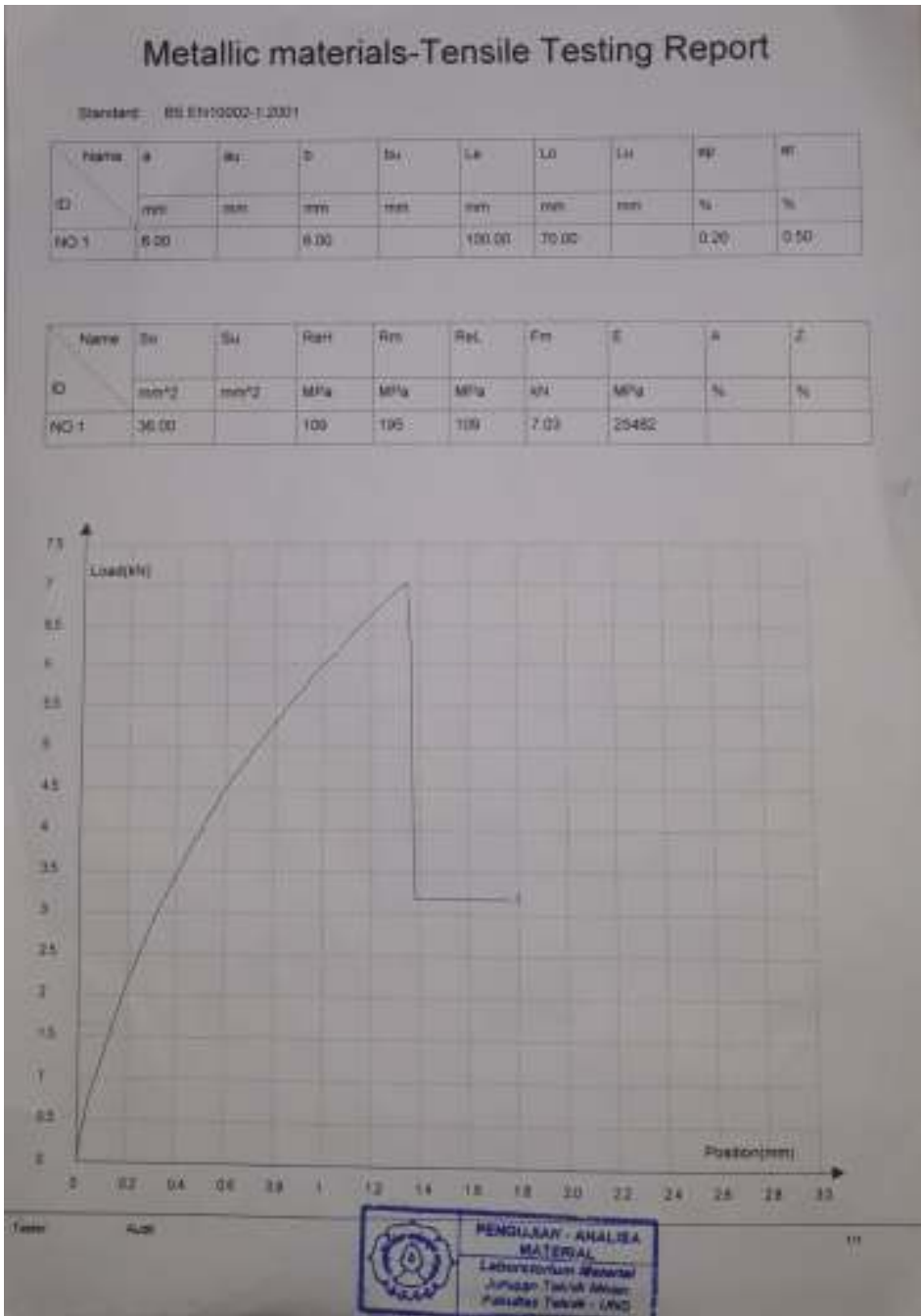


Air 140



Air 160





Sebelum T6

