

LAMPIRAN

1. bahan material



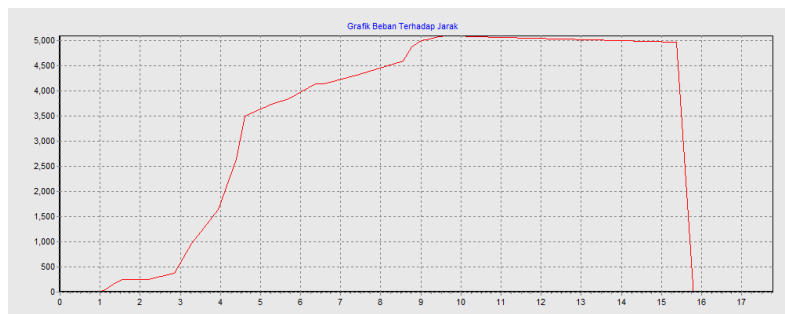
2. pengelasan



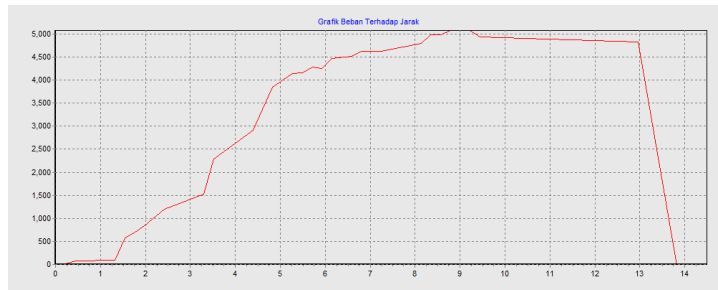
3. pembentukan spesimen sesuai standart astm e 8



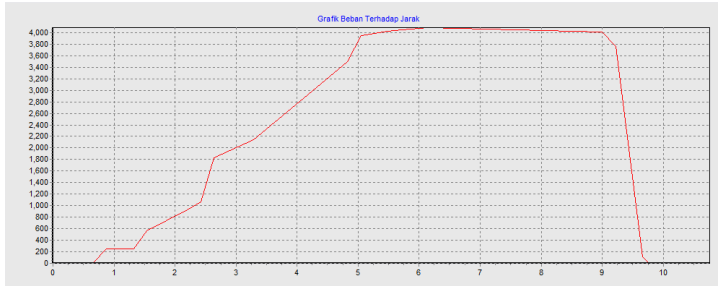
4. pengujian tarik



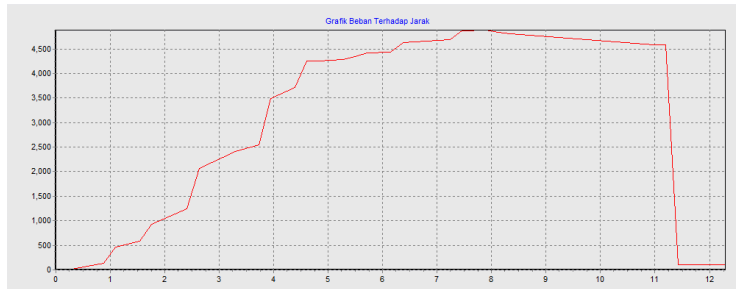
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen A1



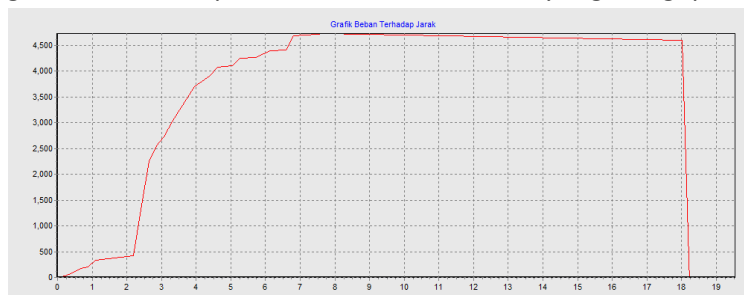
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen A2



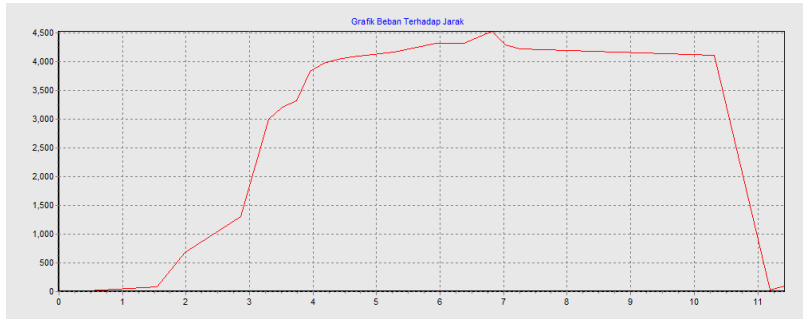
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen A3



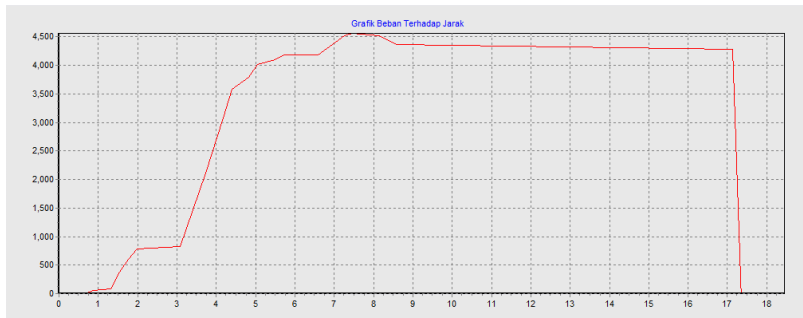
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen B1



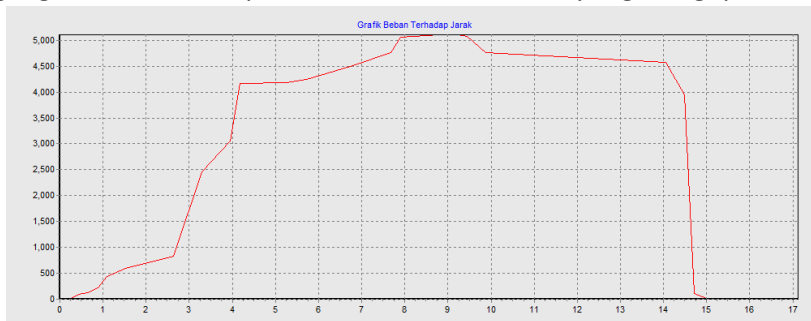
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen B2



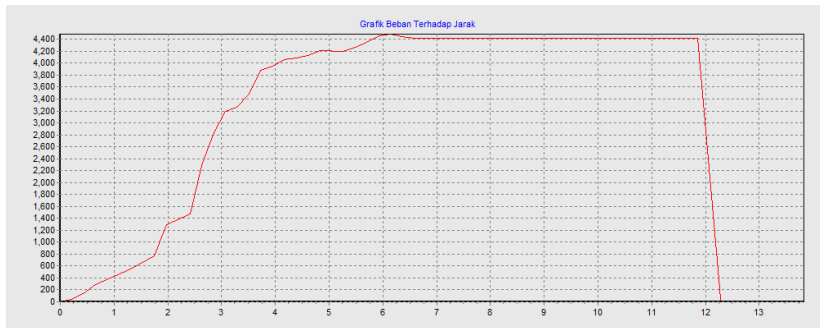
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen B3



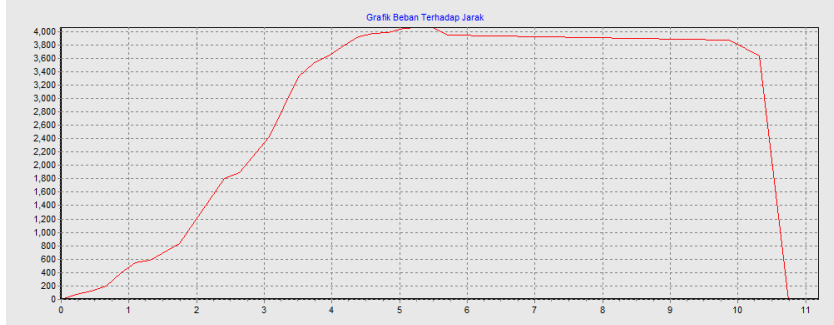
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen C1



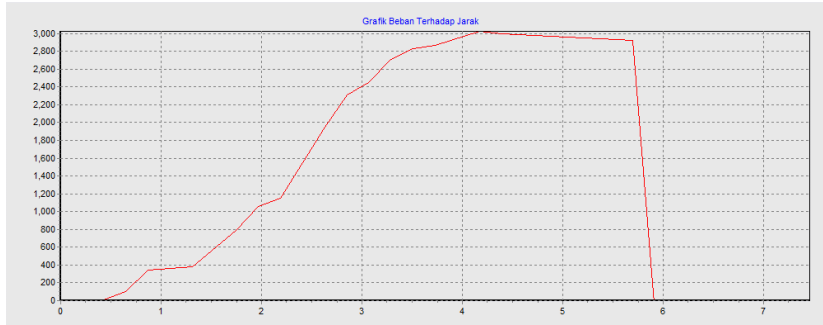
Tegangan ultimate 80A perendaman elektroda minyak goreng spesimen C2



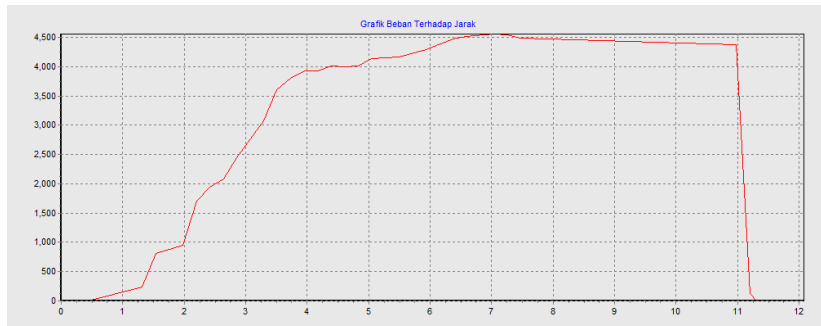
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen D1



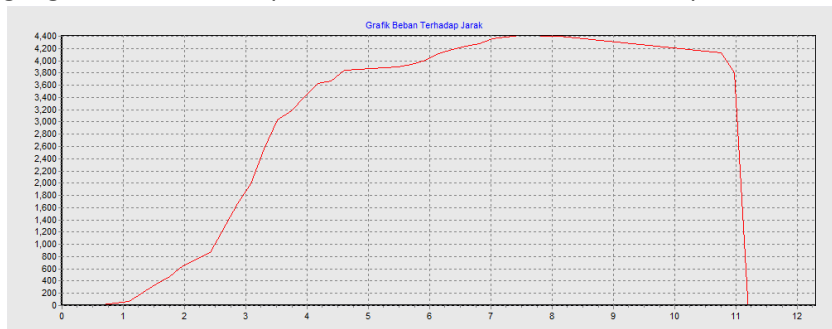
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen D2



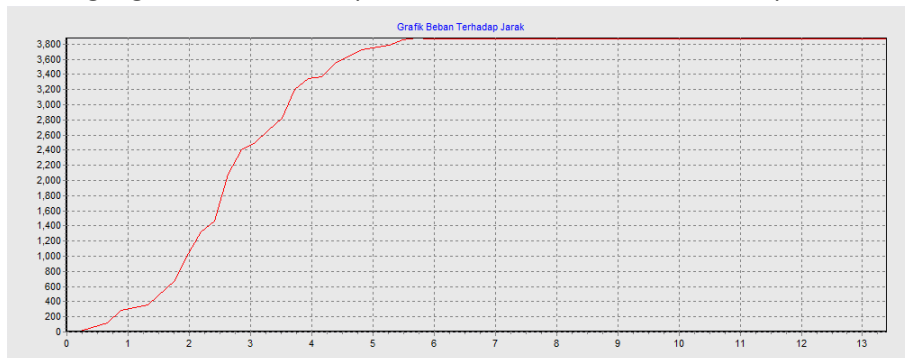
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen D3



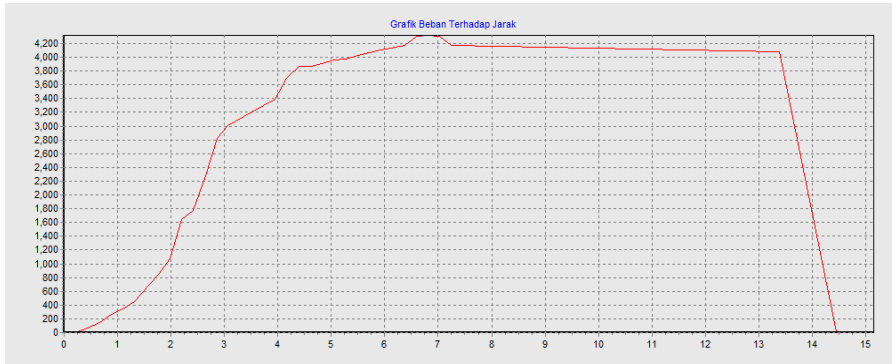
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen E1



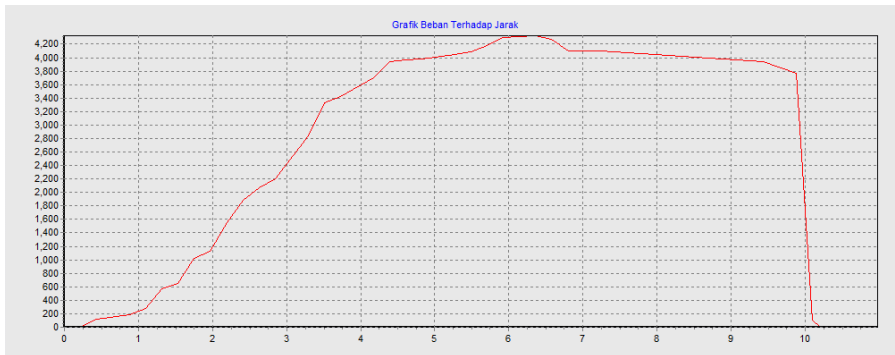
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen E2



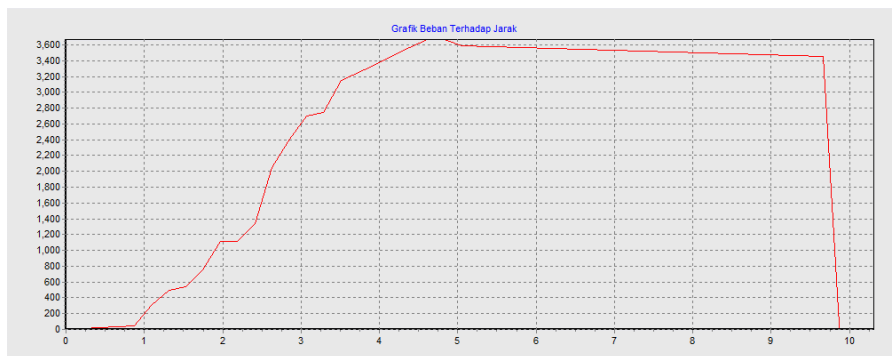
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen E3



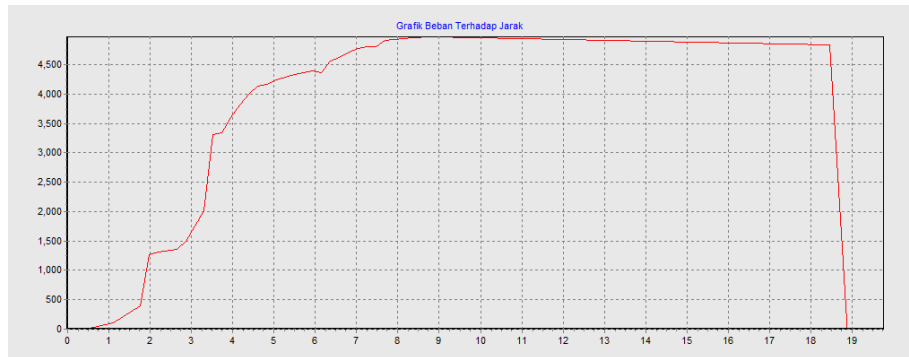
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen F1



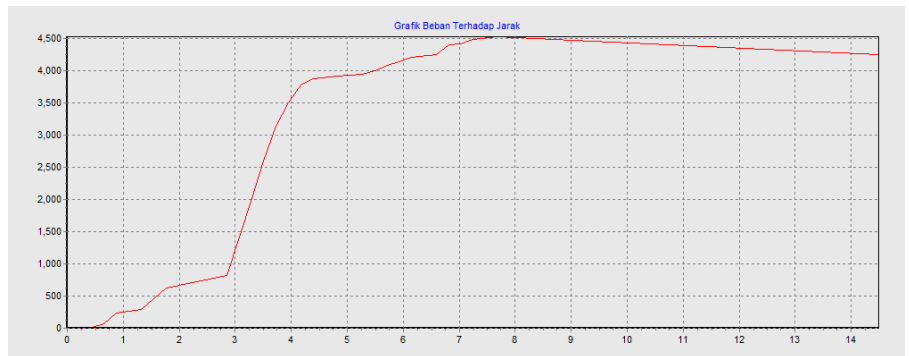
Tegangan ultimate 100A perendaman elektroda oli SEA 20 spesimen F2



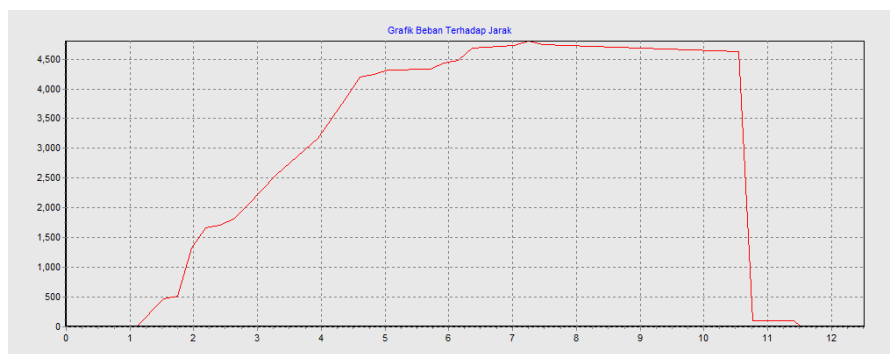
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen G1



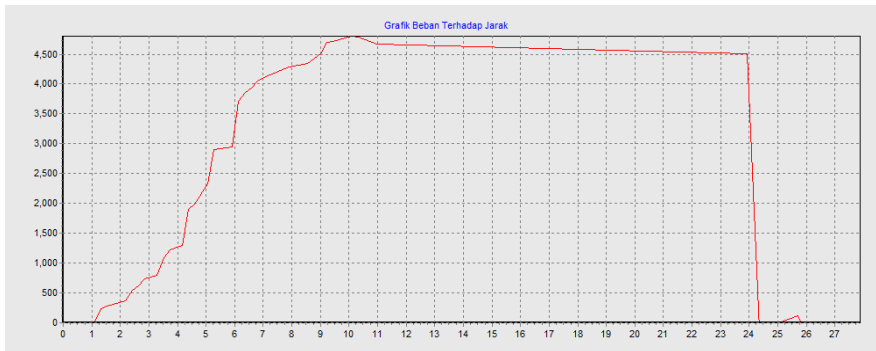
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen G2



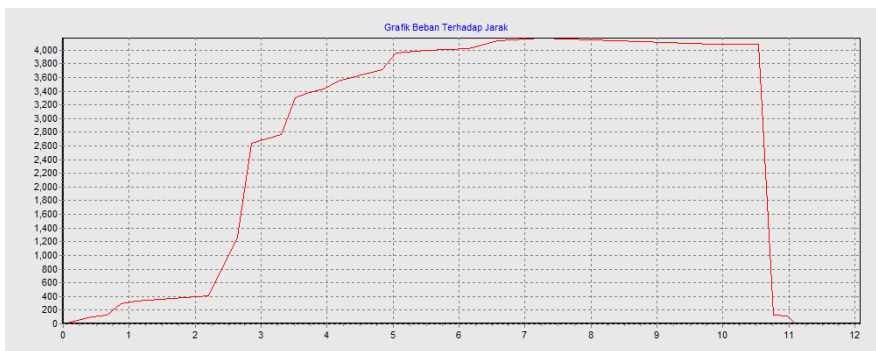
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen G3



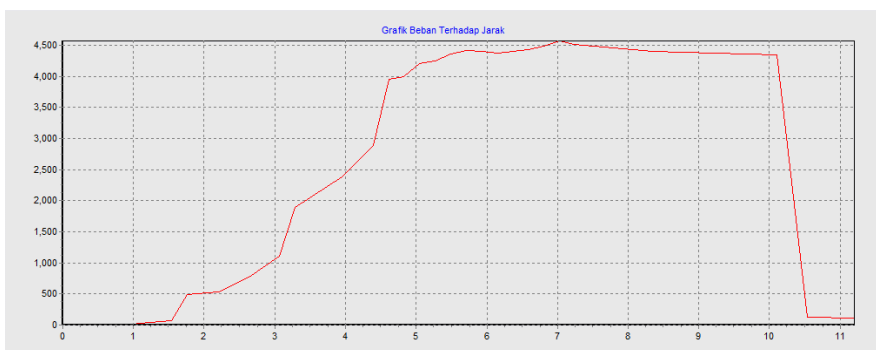
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen H1



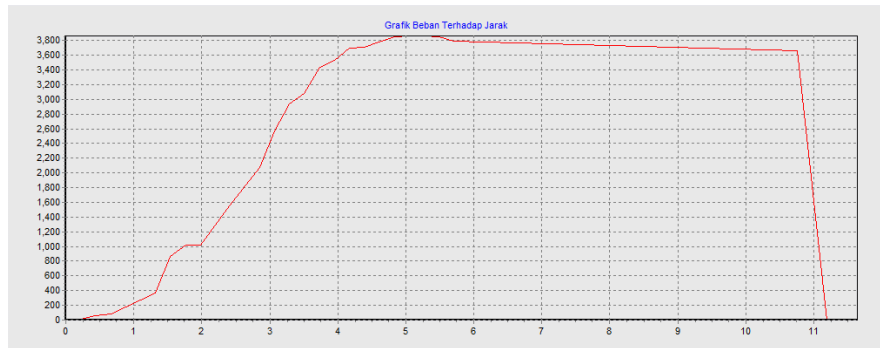
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen H2



Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen H3



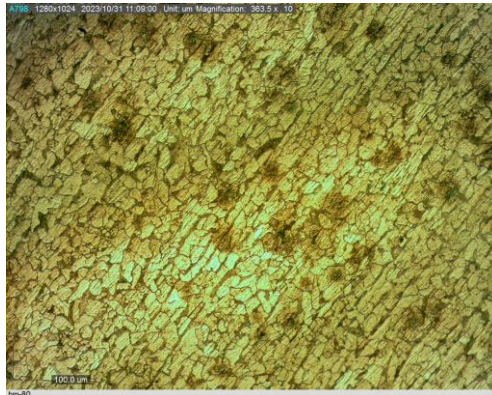
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen I1



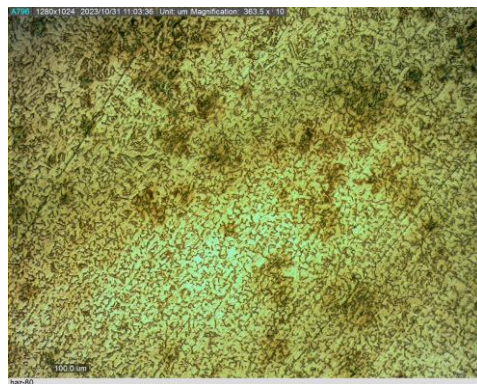
Tegangan ultimate 120A perendaman elektroda oli SEA 40 spesimen I2

5. pengujian micro

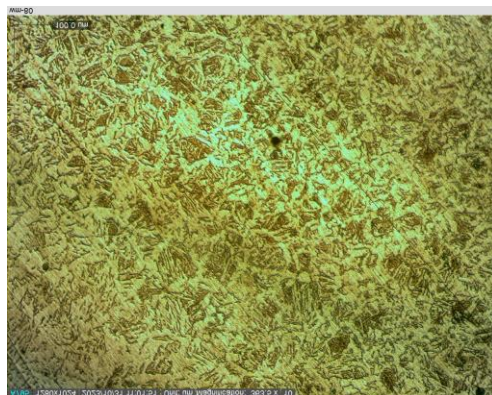




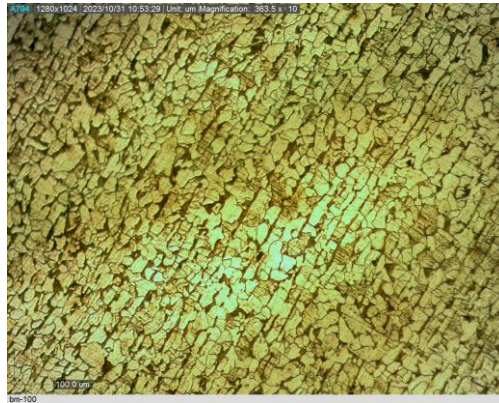
BASE METAL 80A pencelupan minyak goreng



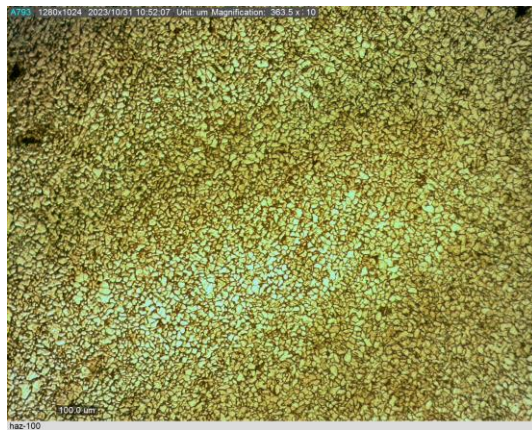
HAZ 80A pencelupan minyak goreng



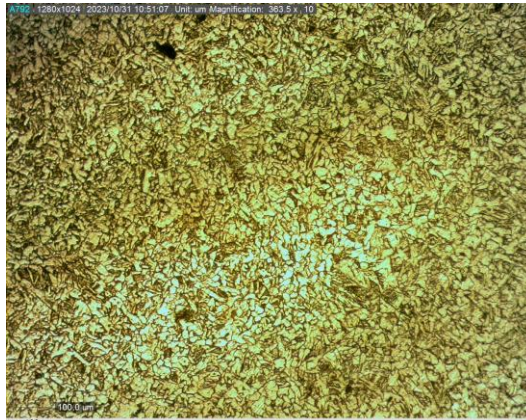
WELD METAL 80A pencelupan minyak goreng



BASE METAL 100A pencelupan oli SEA 20

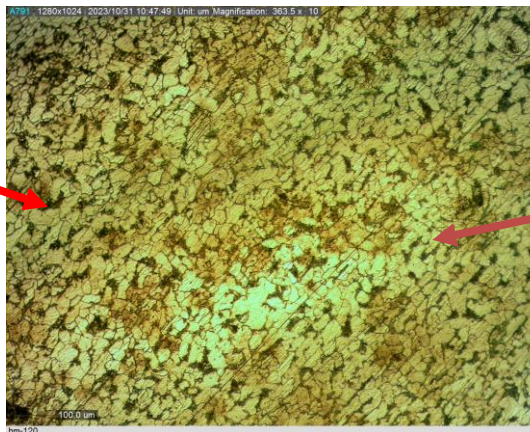


HAZ 100A pencelupan oli SEA 20



WELD METAL 100A pencelupan oli SEA 20

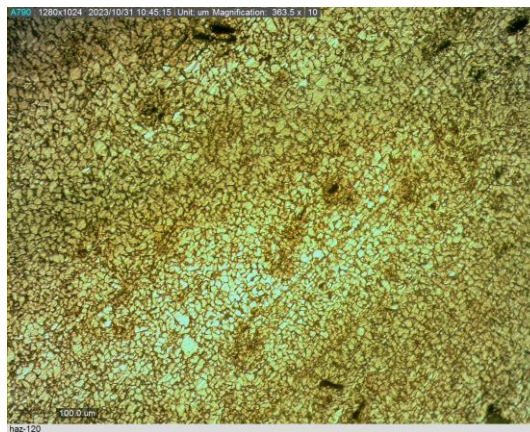
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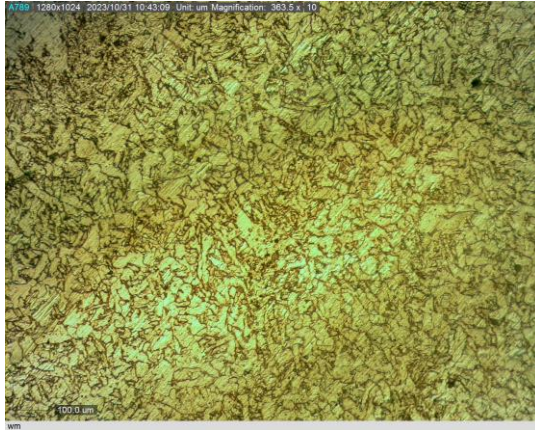
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BASE METAL 120A pencelupan oli SEA 40



HAZ 120A pencelupan oli SEA 40



WELD METAL 120A pencelupan oli SEA 40

	Laboratorium Perlakuan dan Pengujian Bahan Teknik
	Jurusan Teknik Mesin
	POLITEKNIK NEGERI MALANG

SURAT KETERANGAN

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Nim/NPM : 1421900132
Instansi : Universitas 17 Agustus 1945 Surabaya

Benar benar telah melaksanakan pengambilan data di Jurusan Teknik Mesin Politeknik Negeri Malang, guna keperluan penyusunan skripsi.

Demikian surat keterangan ini dibuat untuk dipergunakan sebagaimana mestinya.

Malang, 03 Januari 2024
Pranata Laboratorium Pendidikan
Politeknik Negeri Malang



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