

LAMPIRAN

1. Persiapan Bahan



2. Electroless Plating





3. Proses Pengecoran



4. Hasil Coran



5. Proses Homogenizing



6. Proses Penempaan





7. Pembuatan spesimen uji



8. Perlakuan Panas T6



9. Uji Keausan





LABORATORIUM BAHAN TEKNIK
DEPARTEMEN TEKNIK MESIN DAN INDUSTRI
FAKULTAS TEKNIK UNIVERSITAS GADJAH MADA
Jl. Grafika No.2, kampus UGM Yogyakarta, 55281
Telp. (0274) 521673, Fax. (0274) 521673

DATA UJI KEAUSAN KOMPOSIT

Ardi Nur Rahman

Kode specimen	Beban (Kg)	Abrasion Distance (m)	Speed (Rpm)	Waktu (Sec)	Bo	r Pisau (mm)	P. Tebal Pisau (mm)
A	3,18	100	0,250	60	1,47	14	3
B	3,18	100	0,250	60	1,46	14	3
C	3,18	100	0,250	60	1,41	14	3

Nb. Pembesaran mikroskop 100x = 1mm = 38 strip.

Nb. Sebelum proses penempaan

Kode specimen	Beban (Kg)	Abrasion Distance (m)	Speed (Rpm)	Waktu (Sec)	Bo	r Pisau (mm)	P. Tebal Pisau (mm)
A1(a)	3,18	100	0,250	60	1,24	14	3
A1(b)	3,18	100	0,250	60	1,36	14	3
A1(c)	3,18	100	0,250	60	1,28	14	3
A2(a)	3,18	100	0,250	60	1,27	14	3
A2(b)	3,18	100	0,250	60	1,27	14	3
A2(c)	3,18	100	0,250	60	1,23	14	3
A3(a)	3,18	100	0,250	60	0,54	14	3
A3(b)	3,18	100	0,250	60	1,23	14	3
A3(c)	3,18	100	0,250	60	1,46	14	3
B1(a)	3,18	100	0,250	60	1,18	14	3
B1(b)	3,18	100	0,250	60	1,23	14	3
B1(c)	3,18	100	0,250	60	1,32	14	3
B2(a)	3,18	100	0,250	60	1,15	14	3
B2(b)	3,18	100	0,250	60	1,18	14	3
B2(c)	3,18	100	0,250	60	1,22	14	3
B3(a)	3,18	100	0,250	60	1,36	14	3
B3(b)	3,18	100	0,250	60	1,14	14	3
B3(c)	3,18	100	0,250	60	0,88	14	3



LABORATORIUM BAHAN TEKNIK
DEPARTEMEN TEKNIK MESIN DAN INDUSTRI
FAKULTAS TEKNIK UNIVERSITAS GADJAH MADA
Jl. Grafika No.2, kampus UGM Yogyakarta, 55281
Telp. (0274) 521673, Fax. (0274) 521673

Kode specimen	Beban (Kg)	Abrasion Distance (m)	Speed (Rpm)	Waktu (Sec)	Bo	r Pisau (mm)	P. Tebal Pisau (mm)
C1(a)	3,18	100	0,250	60	0,97	14	3
C1(b)	3,18	100	0,250	60	1,15	14	3
C1(c)	3,18	100	0,250	60	1,26	14	3
C2(a)	3,18	100	0,250	60	0,97	14	3
C2(b)	3,18	100	0,250	60	1,07	14	3
C2(c)	3,18	100	0,250	60	1,02	14	3
C3(a)	3,18	100	0,250	60	0,85	14	3
C3(b)	3,18	100	0,250	60	0,44	14	3
C3(c)	3,18	100	0,250	60	0,41	14	3

Nb. Pembesaran mikroskop 100x = 1mm = 38 strip.

Nb. Sesudah proses penempaan

Yogyakarta, 22 April 2019

PLP

Lab. Teknik UGM

Sunhaji

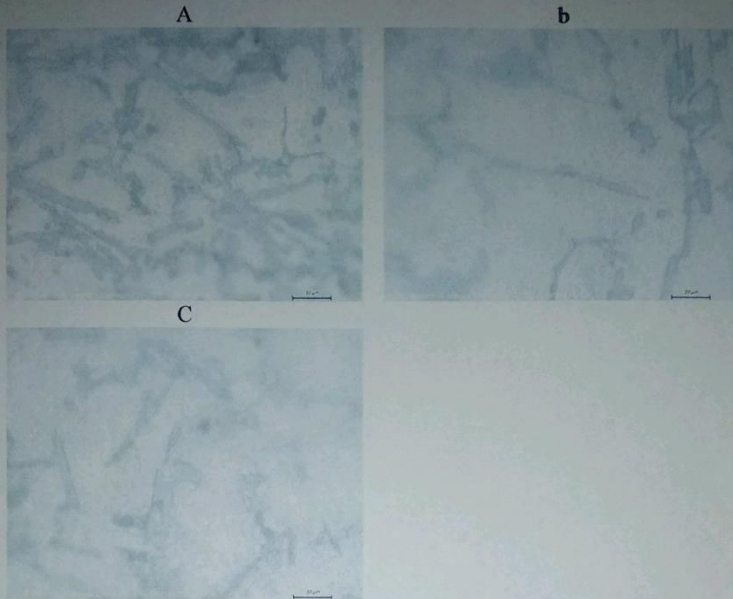
196.506.041.986.121.001



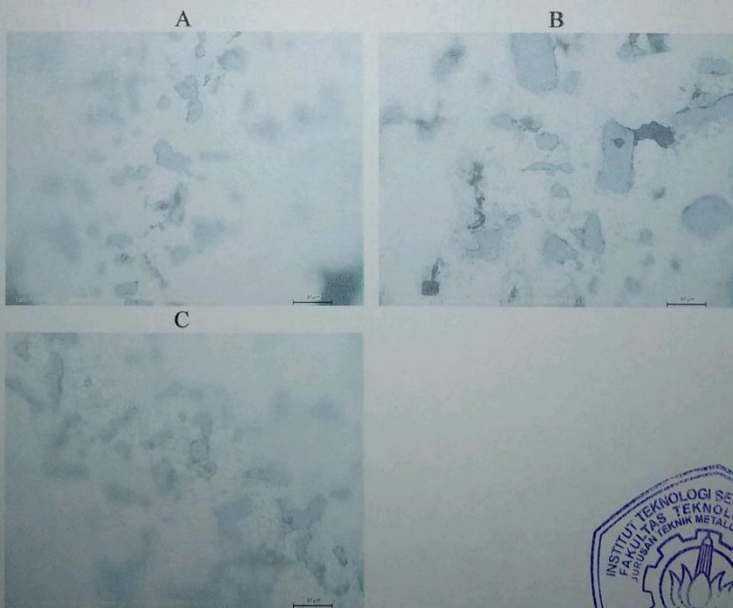
10. Pengamatan Strukturmikro



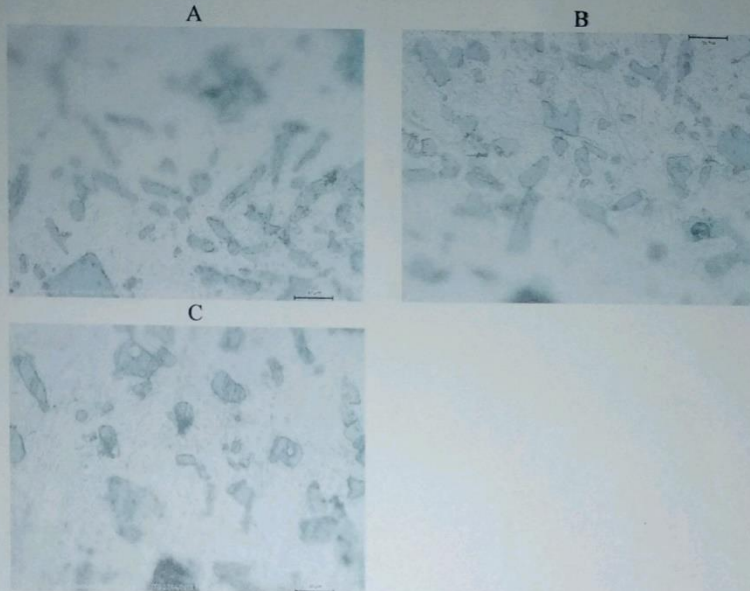
1. Data uji metalografi sebelum proses penempaan



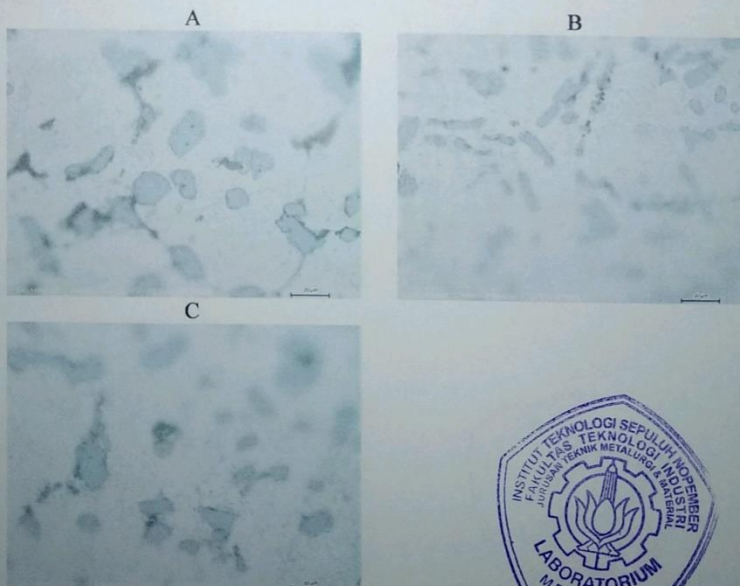
2. Data uji metalografi reduksi penampang 5%, temperatur 150°C



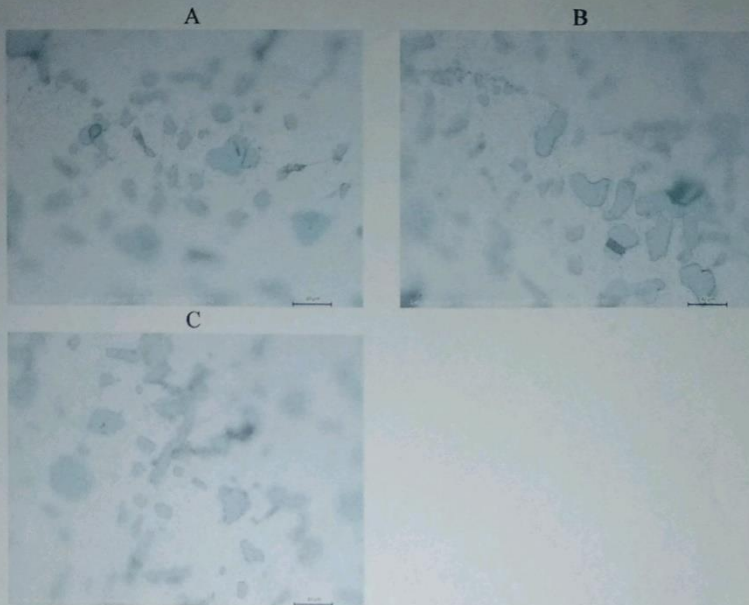
3. Data uji metalografi reduksi penampang 5%, temperatur 160°C



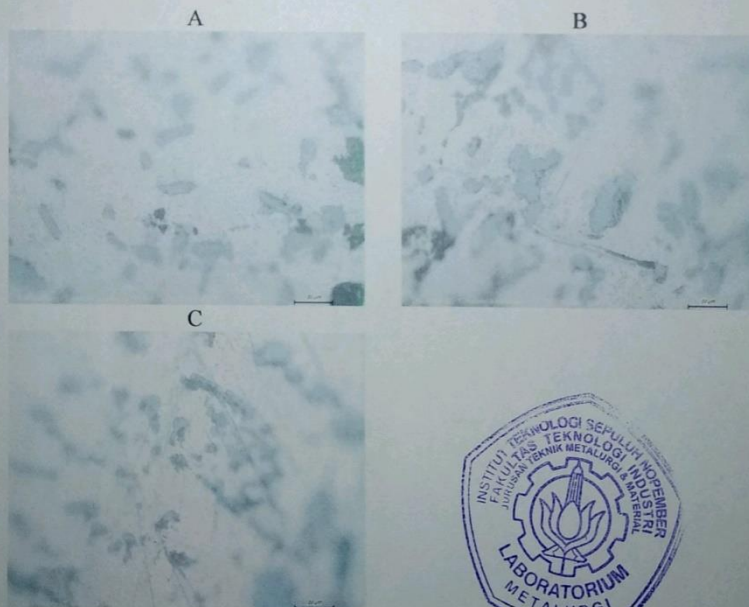
4. Data uji metalografi reduksi penampang 5%, temperatur 170°C



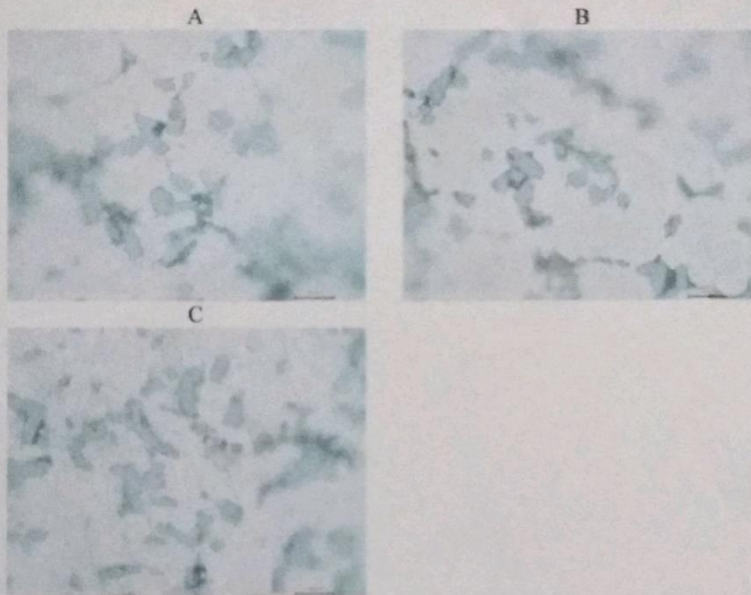
5. Data uji metalografi reduksi penampang 10%, temperatur 150°C



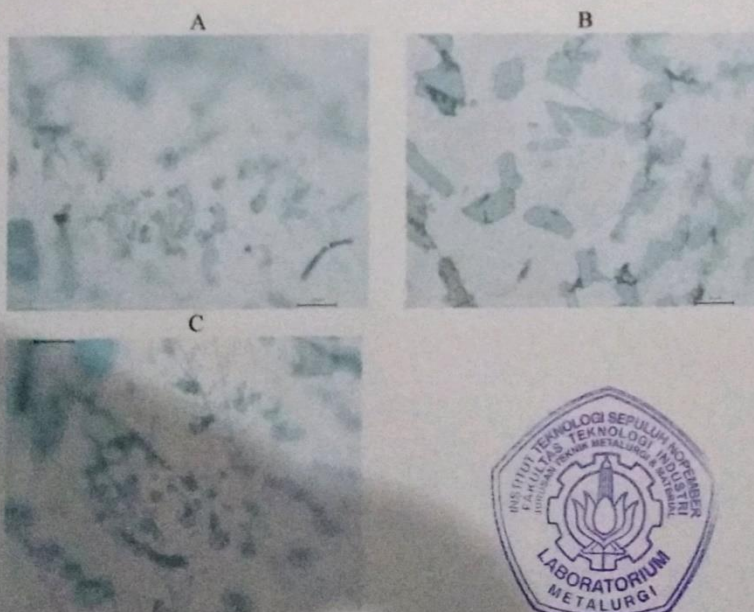
6. Data uji metalografi reduksi penampang 10%, temperatur 160°C



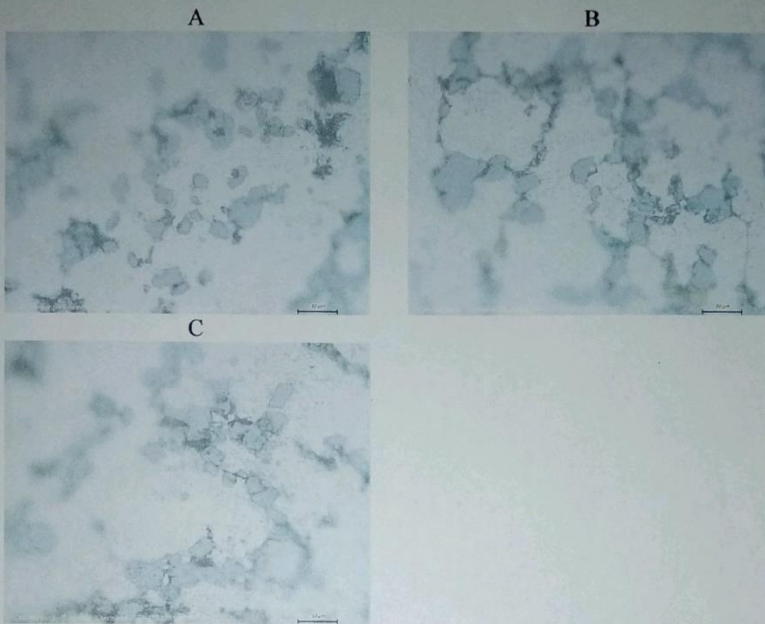
7. Data uji metalografi reduksi penampang 10%, temperatur 170°C



8. Data uji metalografi reduksi penampang 15%, temperatur 150°C



9. Data uji metalografi reduksi penampang 15%, temperatur 160°C



10. Data uji metalografi reduksi penampang 15%, temperatur 160°C

