



UNIVERSITAS NEGERI MALANG
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
LABORATORIUM MINERAL DAN MATERIAL MAJU
(LABORATORIUM SENTRAL)

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E-mail : laboratoriumsentralum@yahoo.co.id / lab.sentral@um.ac.id
Website : central-laboratory.um.ac.id



<u>Customers</u>	: Diki Dwi P/ Poppy D. – FT UM																									
<u>Contact Customer</u>	: 0815 5595 3544																									
<u>Email</u>	: dickydwi160298@gmail.com																									
<u>Test Equipment</u>	: FTIR, XRD, SEM , XRF																									
<u>Received Date</u>	: June 15,2022																									
<u>Order Number</u>	: LSUM.P.00834.2022																									
<u>OPERATOR, ANALYZER & SUPERVISOR</u>																										
<u>Analyzer</u>	: Mailinda Ayu Hana M., S.Si, Ummu Kultsum, S.Si., Halimahtus Sahdiah, S.Si.																									
<u>Supervisor</u>	: Nandang Mufti, S. Si., M.T., Ph.D., Dra. Surjani Wonorahardjo, Ph.D.																									
<u>SAMPLE CODE</u>																										
<table border="1"><thead><tr><th>No</th><th>Nama Sampel</th><th>Metode</th><th>Kode Sampel</th></tr></thead><tbody><tr><td>1</td><td>NiCo₂O₄ - EG</td><td>IK.M.F.1</td><td>F 577, C 934, A 718</td></tr><tr><td>2</td><td>NiCo₂O₄ - NA</td><td>IK.M.C.1*</td><td>F 578, C 935, A 719</td></tr><tr><td>3</td><td>NiCo₂O₄ - CA</td><td>IK.M.A.1</td><td>F 579, C 936, A 720</td></tr><tr><td>4</td><td>HA + Sonikasi sinter 900 °C</td><td rowspan="2">IK.M.E.1*</td><td>E 607</td></tr><tr><td>5</td><td>HA + Sonikasi sinter 900 °C</td><td>E 608</td></tr></tbody></table>				No	Nama Sampel	Metode	Kode Sampel	1	NiCo ₂ O ₄ - EG	IK.M.F.1	F 577, C 934, A 718	2	NiCo ₂ O ₄ - NA	IK.M.C.1*	F 578, C 935, A 719	3	NiCo ₂ O ₄ - CA	IK.M.A.1	F 579, C 936, A 720	4	HA + Sonikasi sinter 900 °C	IK.M.E.1*	E 607	5	HA + Sonikasi sinter 900 °C	E 608
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Hasil analisa hanya berlaku untuk sampel yang diuji.																										
*Metode pengujian termasuk dalam ruang lingkup akreditasi.																										



LAPORAN HASIL UJI
LSUM.LHU.A.00728.2022

Customers : Diki Dwi P / Poppy P – FT UM
Contact Customer : 081555953544 / email : dickydwi160298@gmail.com
Methods : IKM.A.1
Test Equipment : SEM
Received Date : 15 Juni 2022
Order Number : LSUM.P.000834.2022

SPECIMEN DESCRIPTION

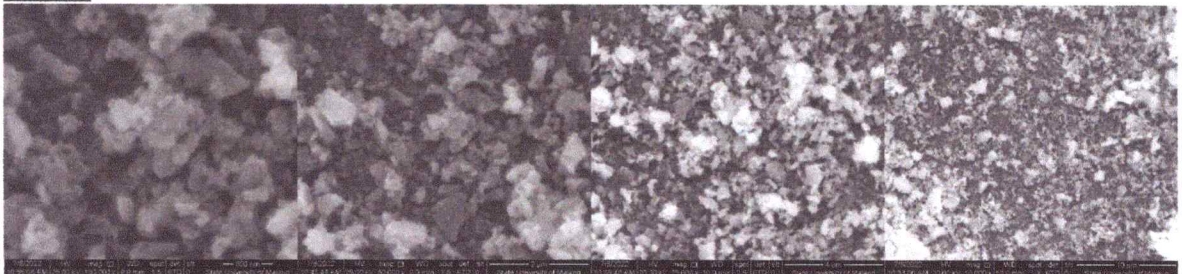
Condition of Samples : Serbuk warna hitam dalam botol kaca
Sample Code : A718
Material Name : NiCO2O4 - EG
Measurement time : 08 Juli 2022

OPERATOR, ANALYZER & SUPERVISOR

Analyzer : Halimahtus Sahdiah, S.Si
Supervisor : Nandang Mufti, S.Si, M.T, Ph.D

RESULTS

Remark :



Hasil analisa hanya berlaku untuk sampel yang diuji

Mengetahui,
Manajer Teknis

Dra. Surjani Wonorahardjo, Ph.D.
NIP.196605281991032001

Malang, 11 Juli 2022

Menyetujui

a.n Dekan

Kepala Lab. Mineral dan Material Maju FMIPA UM

Nandang Mufti, S.Si, M.T, Ph.D
NIP.19720815200501100



LAPORAN HASIL UJI
LSUM.LHU.A.00729.2022

Customers : Diki Dwi P / Poppy P – FT UM
Contact Customer : 081555953544 / email : dickydwi160298@gmail.com
Methods : IKM.A.1
Test Equipment : SEM
Received Date : 15 Juni 2022
Order Number : LSUM.P.000834.2022

SPECIMEN DESCRIPTION

Condition of Samples : Serbuk warna hitam dalam botol kaca
Sample Code : A719
Material Name : NiCO₂O₄ - NA
Measurement time : 08 Juli 2022

OPERATOR, ANALYZER & SUPERVISOR

Analyzer : Halimahtus Sahdiah, S.Si
Supervisor : Nandang Mufti, S.Si, M.T, Ph.D

RESULTS

Remark :



Hasil analisa hanya berlaku untuk sampel yang diuji

Mengetahui,
Manajer Teknis

Dra. Surjani Wonorahardjo, Ph.D.
NIP.196605281991032001

Malang, 11 Juli 2022
Menyetujui
a.n Dekan
Kepala Lab. Mineral dan Material Maju FMIPA UM



Nandang Mufti, S.Si, M.T, Ph.D
NIP.19720815200501100



LAPORAN HASIL UJI
LSUM.LHU.A.00730.2022

Customers : Diki Dwi P / Poppy P – FT UM
Contact Customer : 081555953544 / email : dickydwi160298@gmail.com
Methods : IKM.A.1
Test Equipment : SEM
Received Date : 15 Juni 2022
Order Number : LSUM.P.000834.2022

SPECIMEN DESCRIPTION

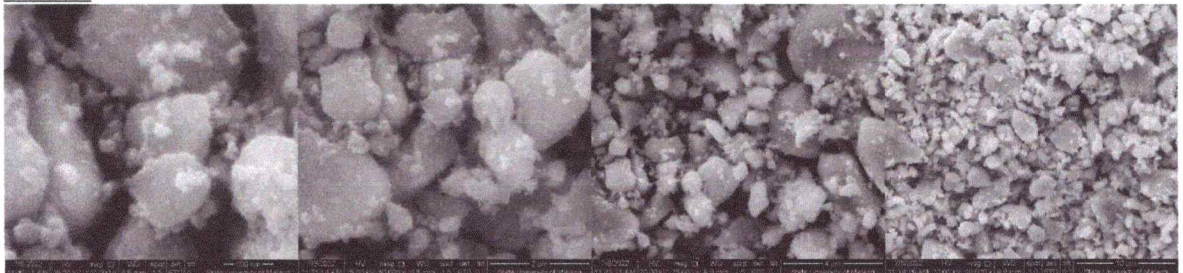
Condition of Samples : Serbuk warna hitam dalam botol kaca
Sample Code : A720
Material Name : NiCO₂O₄ - CA
Measurement time : 08 Juli 2022

OPERATOR, ANALYZER & SUPERVISOR

Analyzer : Halimahtus Sahdiah, S.Si
Supervisor : Nandang Mufti, S.Si, M.T, Ph.D

RESULTS

Remark :



Hasil analisa hanya berlaku untuk sampel yang diuji

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