

LEMBAR PENGESAHAN

Disusun Oleh

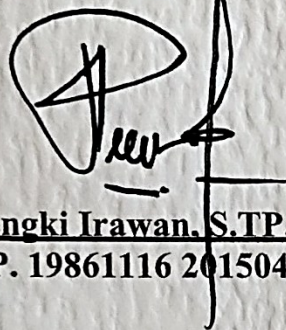
MUHAMMAD ARI FIRMANSYAH

NPM : 167011076

Telah disidangkan pada tanggal:

Senin, 22 Mei 2023

Pembimbing I,



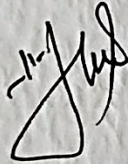
Ir. Pengki Irawan, S.TP., M.Si.
NIP. 19861116 2015041001

Pembimbing II,



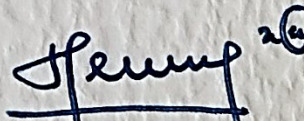
Nina Herlina, Dra., M.T.
NIP. 19620812 2021212001

Penguji I,



Novia Komala Sari, S.Pd., M.T.
NIP. 19881116 2019032014

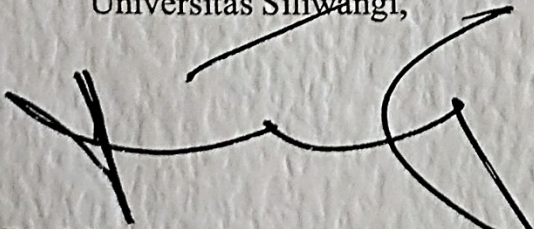
Penguji II,



Ir. Hendra, S.T., M.Sc.
NIDN. 1021097101

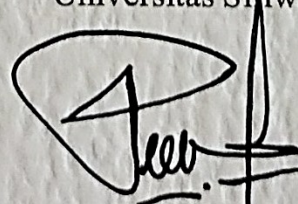
Mengetahui,

Dekan Fakultas Teknik
Universitas Siliwangi,



Prof. Dr. Eng. Ir. H. Aripin, IPU.
NIP. 19670816 1996031001

Ketua Jurusan Teknik Sipil
Universitas Siliwangi,



Ir. Pengki Irawan, S.TP., M.Si.
NIP. 19861116 2015041001