



UNIVERSITAS MULAWARMAN

SURAT KETERANGAN PENDAMPING IJAZAH

Diploma Supplement

01. Identitas diri pemegang SKPI

01. Identity of the Holder of Diploma Supplement

Nama Lengkap

Full Name

[REDACTED]

Tempat dan Tanggal Lahir

Date and Place of Birth

[REDACTED]

Nomor Induk Mahasiswa

Student Identification Number

[REDACTED]

Tanggal Bulan Tahun Terdaftar & Tanggal Bulan Tahun

Lulus

Date Month Year Registered - Date Month Year Graduated

Terdaftar 01 Juli 2017 & Lulus 21 Februari 2022

Registered on 01 Juli 2017 & Graduated on 21 Februari 2022

Gelar

Name of Qualification

SARJANA SAINS (S.Si.)

Bachelor in Physics

Nomor Ijazah

Diploma Number

[REDACTED]

02. Identitas Penyelenggara

02. Identity of the Awarding Institution

Program Studi

Major

FISIKA

Physics Study Program

Kelas: Regular

Class: Regular

Program: FISIKA

Program: Physics Study Program

Status Akreditasi

Accreditation Status

Predikat : B [1074/SK/BAN-PT/AKRED/S/IV/2019]

Predicate : B [1074/SK/BAN-PT/AKRED/S/IV/2019]

Program Pendidikan Tinggi

Degree

Sarjana (Strata 1)

Undergraduate Degree

Peringkat Kompetensi Kualifikasi sesuai KKN

Level of Qualification in the National Qualification Framework

Level 6

Bahasa Pengantar Kuliah

Language of Instruction

Indonesia

Indonesian

Sistem Penilaian

Grading System

Skala 1-4; A=4, B=3, C=2, D=1

Scale 1-4; A=4, B=3, C=2, D=1

Jenis dan Jenjang pendidikan Lanjutan

Access to Further Study

Program Magister & Doctoral

Master & Doctoral Program

Status profesi (bila ada)

Professional Status (If Applicable)

Jenis Program Pendidikan

Type of Educational Program

Akademik

Academic

Capaian Pembelajaran

Sarjana Sains (KKNI LEVEL 6)

Menguasai konsep teoritis dan prinsip-prinsip pokok fisika klasik dan kuantum.

Menguasai prinsip dan aplikasi fisika matematika, fisika komputasi, dan instrumentasi

Menguasai pengetahuan tentang teknologi yang berdasarkan fisika dan penerapannya

Menguasai terapan fisika dalam bidang keahlian, meliputi elektronika-instrumentasi, geofisika, fisika medis, oseanografi fisis, dan fisika material.

Memiliki literasi yang baik tentang hutan hujan tropis

Bertakwa kepada Tuhan Yang Maha Esa dan mampu menunjukkan sikap religius

Menjunjung tinggi nilai kemanusiaan dalam menjalankan tugas berdasarkan agama, moral, dan etika.

Menginternalisasi nilai, norma dan etika akademik

Berperan sebagai warga negara yang bangga dan cinta tanah air, memiliki nasionalisme serta rasa tanggung jawab pada bangsa dan negara.

Menghargai keanekaragaman budaya, pandangan, agama dan kepercayaan, serta pendapat atau temuan orisinal orang lain.

Berkontribusi dalam peningkatan mutu kehidupan bermasyarakat, berbangsa, bernegara dan kemajuan peradaban berdasarkan Pancasila

Bekerjasama dan memiliki kepekaan sosial serta kepedulian terhadap masyarakat dan lingkungan

Taat hukum dan disiplin dalam kehidupan bermasyarakat dan bernegara

Taat hukum dan disiplin dalam kehidupan bermasyarakat dan bernegara.

Menunjukkan sikap profesional atas pekerjaan di bidang keahliannya secara mandiri

Memiliki perilaku yang baik tentang konservasi hutan hujan tropis

Menerapkan pemikiran logis, kritis, sistematis, dan inovatif dalam konteks pengembangan atau implementasi ilmu pengetahuan dan/atau teknologi sesuai dengan bidang keahliannya

Mengkaji implikasi pengembangan atau implementasi ilmu pengetahuan dan teknologi sesuai dengan keahliannya berdasarkan kaidah, tata cara dan etika ilmiah untuk menghasilkan solusi, gagasan, desain, atau kritik seni serta menyusun deskripsi saintifik hasil kajiannya dalam bentuk skripsi atau laporan tugas akhir

Mengambil keputusan secara tepat dalam konteks penyelesaian masalah di bidang keahliannya, berdasarkan hasil analisis terhadap informasi dan data

Mengelola pembelajaran secara mandiri

Mengembangkan dan memelihara jaringan kerja dengan pembimbing, kolega, sejawat baik di dalam maupun di luar lembaganya

Memiliki kemampuan adaptif terhadap perkembangan ilmu dan lingkungan kerja untuk

Learning Outcome

Bachelor (KKNI LEVEL 6)

Mastering in theoretical concepts and basic principles of classical and quantum physics

Mastering in principles and applications of mathematical physics, computational physics, and instrumentation

Mastering the knowledge of technology based on physics and its applications.

Mastering applied physics in the field of expertise, including electronics-instrumentation, geophysics, medical physics, physical oceanography, and material physics.

Excellent literacy in tropical rainforests

Belief in God Almighty and able to show a religious attitude

Upholding human values in carrying out duties based on religion, morals, and ethics.

Internalizing the value of academics, norms, and ethics.

Act as citizens who are proud and love the country, have nationalism and a sense of responsibility to the nation and state

Respect the diversity of cultures, views, religions, and beliefs, as well as the original opinions or inventions of others

Contribute to improving the quality of life in society, nation, state, and advancement of civilization based on Pancasila

Have social sensitivity and cooperation on the concern of the community and the environment

Obedying the law and discipline in social and state life

Internalizing the spirit of independence, struggle and entrepreneurship

Shows a professional attitude towards work in their field of expertise independently.

Have a good attitude about tropical rainforest conservation

Applying logical, critical, systematic, and innovative thinking in the context of developing or implementing science and/or technology in accordance with their field of expertise

Assessing the implications of developing or implementing science and technology in accordance with their expertise based on scientific principles, procedures and ethics to produce solutions, ideas, designs, or art criticism as well as compiling scientific descriptions of the results of their studies in the form of a thesis or final project report

Make decisions appropriately in the context of solving problems in their field of expertise, based on the analysis results of information and data

Manage learning independently

Developing and maintaining a network with mentors, colleagues, peers both inside and outside the institution

Having the adaptive ability to development of science and the work environment to meet the



UNIVERSITAS MULAWARMAN

Prestasi Mahasiswa

Aktivitas Prestasi dan Penghargaan

Penghargaan dan Pemenang Kejuaraan

Juara 1 Seleksi Olimpiade Nasional MIPA (ON MIPA) Cabang Fisika se Universitas Mulawarman thn 2019, Juara 1 Seleksi Kompetisi Nasional MIPA (KN MIPA) Cabang Fisika se Universitas Mulawarman thn 2020, Juara 3 Lomba Karya Tulis Ilmiah Nasional (LKTIN) Tingkat Mahasiswa thn 2019

Pengalaman Organisasi

IMF periode (2018-2019) Anggota Departemen Internal, IMF periode (2019-2020) Ketua Departemen Kreasi IPTEK, LDMAH periode (2019-2020) Anggota Departemen KPSDM, HMGI priode (2019-2020) Anggota Departemen Eksternal

Partisipasi Kegiatan Pengembangan Diri

Pengkaderan dan latihan kepemimpinan mahasiswa Fisika Tahun 2018 Pekan Mahasiswa Ilmiah Tahun 2017, Percepatan Adaptasi Mahasiswa Baru Universitas Mulawarman Tahun 2017, MIPAnet School Tahun 2019, Seminar dan Workshop Geofisika 2019

Magang Industri

Praktek Kerja Lapangan di Badan Pertanahan Nasional (BPN) Provinsi Kalimantan Timur

Spesifikasi Tugas Akhir

IDENTIFIKASI KEBERADAAN AKUIFER AIR TANAH MENGGUNAKAN METODE GEOLISTRIK VERTICAL ELECTRICAL SOUNDING (VES) KONFIGURASI SCHLUMBERGER DI KELURAHAN TANAH MERAH KECAMATAN SAMARINDA UTARA

B. Activies, Achievements and Awards

Honor and Awards

1st Best Physics Subject on Sciences National Olympiad (ON MIPA) in Local Region (University) at 2019, 1st Best Physics Subject on Sciences National Competition (KN MIPA) in Local Region (University) at 2020, 3rd Best of National Scientific Writing Competition (LKTIN) for Student Level 2019

Organizational Experiences

Member of Internal Department in IMF (Organization of Physics Student) at Mathematics and Natural Sciences Faculty (2018-2019); Head of Science and Technology Creation Department in IMF (Organization of Physics Student) at Mathematics and Natural Sciences Faculty (2019-2020); Member of KPSDM Department in LDM Al-Hikmah (D'wah Organization) at Mathematics and Natural Sciences Faculty (2019-2020); and Member of External Department in HMGI (Organization of Geophysics student) 2019-2020.

Soft Skill Participation

Pendidikan Karakter, Pengkaderan dan latihan kepemimpinan mahasiswa Fisika Tahun 2018, Pekan Mahasiswa Ilmiah Tahun 2017, Percepatan Adaptasi Mahasiswa Baru Universitas Mulawarman Tahun 2017, MIPAnet School Tahun 2019, Seminar dan Workshop Geofisika 2019, Inauguration and leadership training for Physics students in 2018; Participant on PMAIL in 2017 (Faculty Inauguration and Leadership Training); Participant on PAMB in 2017 (University Inauguration and Leadership Training); MIPAnet School in 2019; and Seminar and Workshop of Geophysics in 2019.

Internship

Internship in National Land Agency (BPN) of East Kalimantan Province

Spessification of The Final Project

IDENTIFICATION OF THE PRESENCE OF GROUNDWATER AQUIFERS USING THE GEOELECTRICAL VERTICAL ELECTRICAL SOUNDING (VES) METHOD OF SCHLUMBERGER CONFIGURATION IN TANAH MERAH VILLAGE, NORTH SAMARINDA DISTRICT

Dekan,
Dean

Dr.Eng. Idris, M.Si
NIP:197110081998021001

Samarinda, 16 Juni 2022

Wakil Dekan Bidang Akademik, Kemahasiswaan & Alumni.
Vice Dean Academic, Students and Alumni.

Dr. Sri Wahyuningsih, M.Si
NIP:196904132000122001

memenuhi lapangan kerja yang tersedia

Mampu bekerjasama dengan baik dengan berbagai pihak yang terkait serta memiliki kepekaan terhadap kepentingan masyarakat dan lingkungan
Memiliki kemampuan pengelolaan hutan hujan tropis berbasis sains fisika

Mampu merumuskan gejala dan masalah fisis melalui analisis berdasarkan hasil observasi dan eksperimen

Mampu menghasilkan model matematika atau model fisis yang sesuai dengan hipotesis atau prakiraan dampak dari fenomena yang menjadi subyek pembahasan

Mampu menganalisis berbagai solusi alternatif yang ada terhadap permasalahan fisis dan menyimpulkannya untuk pengambilan keputusan yang tepat.

Mampu memprediksi potensi penerapan perilaku fisis dalam teknologi

Mampu mendiseminasikan hasil kajian masalah dan perilaku fisis dari gejala sederhana dalam bentuk laporan atau kertas kerja sesuai kaidah ilmiah baku

Mampu menerapkan metode ilmiah dalam pengambilan keputusan yang obyektif, cermat dan visioner

Menghasilkan karya ilmiah sains fisika dan aplikasinya terkait pengelolaan hutan hujan tropis

available employment opportunities

Have great cooperation with various related parties and to have sensitivity to the interests of the community and the environment

Having the ability to manage tropical rainforests based on physics science

Able to formulate phenomenon and physical problems through analysis based on the results of observations and experiments

Able to produce a mathematical model or physical model that is in accordance with the hypothesis or forecast of the phenomenon impact which is the subject of discussion

Able to analyze various alternative solutions that exist to physical problems and conclude them for making the right decision

Able to predict the potential application of physical behavior in technology

Able to disseminate the results of problem studies and physical behavior from simple phenomenon in the form of reports or working papers according to standard scientific principles

Able to apply scientific method in objective, careful and visionary decision making

Produce scientific works of physics and their applications related to tropical rainforest managemen

