WATER QUALITY MONITORING SYSTEM IN BIOFLOC-BASED NILE TILAPIA AQUACULTURE USING INTERNET OF THINGS AND MAMDANI FUZZY LOGIC

SKRIPSI

OLEH:
GEDE DEFRY WIDHI ADNYANA
2215101006

PROGRAM STUDI ILMU KOMPUTER (S1)
JURUSAN TEKNIK INFORMATIKA
FAKULTAS TEKNIK DAN KEJURUAN
UNIVERSITAS PENDIDIKAN GANESHA

SKRIPSI

DIAJUKAN UNTUK MELENGKAPI TUGAS DAN MEMENUHI SYARAT-SYARAT UNTUK MENCAPAI GELAR SARJANA KOMPUTER

Menyetujui

Pembimbing I	Dr. Ir. I Ketut Resika Arthana, S.T., M.Kom. NIP.198412012012121002
Pembimbing II	Dr. Bagus Gede Krishna Yudistira, M.Kom. NIP.199208122024061003

Skripsi oleh GEDE DEFRY WIDHI ADNYANA ini
telah dipertahankan di depan dewan penguji
Pada tanggal 04 Agustus 2026

Dewan Penguji

Ketua	Kadek Yota Ernanda Aryanto, S.Kom., M.T., Ph.D. NIP.197803242005011001
Anggota	Ir. Ketut Agus Seputra, S.ST.,M.T. NIP.199008152019031018
Anggota	Dr. Ir. I Ketut Resika Arthana, S.T., M.Kom. NIP.198412012012121002
Anggota	Dr. Bagus Gede Krishna Yudistira, M.Kom. NIP.199208122024061003

Diterima oleh Panitia Ujian Fakultas Teknik dan Kejuruan
Universitas Pendidikan Ganesha
guna memenuhi syarat-syarat untuk mencapai gelar Sarjana Komputer

Menyetujui

Ketua Ujian	Ir. Made Windu Antara Kesiman, S.T., M.Sc., Ph.D. NIP.198211112008121001
Sekretaris Ujian	I Nyoman Saputra Wahyu Wijaya, S.Kom., M.Cs. NIP.198910262019031004

Mengesahkan,
Dekan Fakultas Teknik dan Kejuruan

Prof. Dr. Kadek Rihendra Dantes, S.T., M.T.

NIP.197912012006041001

PREFACE

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The author realizes that this undergraduate thesis is far from perfect due to limited knowledge and experience. Therefore, constructive criticism and suggestions are highly expected for the improvement of this research. Finally, the author hopes that this undergraduate thesis will provide meaningful contributions and benefits for academic development, the aquaculture industry, and the readers.

Singaraja, 7 August 2026

Author

STATEMENT OF AUTHENTICITY

I hereby declare that this academic work entitled **"Water Quality Monitoring System in Biofloc-Based Nile Tilapia Aquaculture Using Internet of Things and Mamdani Fuzzy Logic"** and all its contents are truly my own work, and I have not committed plagiarism or cited in ways inconsistent with the ethics prevailing in the academic community. I am prepared to bear any risk/sanction imposed on me if violations of academic ethics are found in this work, or if there are claims against its authenticity.

Singaraja, 7 August 2026

Statement made by,

Gede Defry Widhi Adnyana

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