

DESIGN AND IMPLEMENTATION OF AN IOT-BASED WATER CIRCULATION CONTROL SYSTEM USING FSM-HYSTERESIS FOR BIOFLOC NILE TILAPIA PONDS

SKRIPSI



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**Balai Besar
Sertifikasi
Elektronik**

SKRIPSI

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

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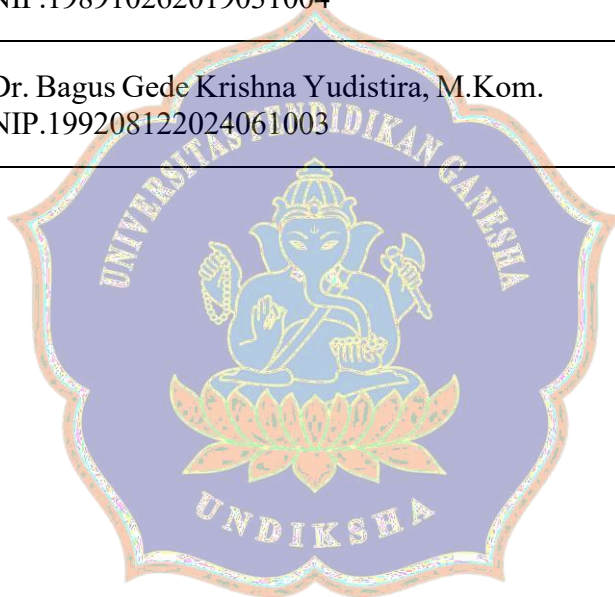


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Skripsi oleh Wiswa Nath ini
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Diterima oleh Panitia Ujian Fakultas Teknik dan Kejuruan
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guna memenuhi syarat-syarat untuk mencapai gelar Sarjana Komputer

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STATEMENT OF AUTHENCITY

I hereby declare that this academic work entitled "**Design and Implementation of an IoT-Based Water Circulation Control System Using FSM-Hysteresis for Biofloc Nile Tilapia Ponds**" 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, 26 October 2026

Statement made by,



Wiswa Nath

Preface

Praise and profound gratitude are directed to God Almighty (Ida Sang Hyang Widhi Wasa) for the grace, guidance, and blessing that enabled the author to complete this undergraduate thesis entitled "Design and Implementation of an IoT-Based Water Circulation Control System Using FSM-Hysteresis for Biofloc Nile Tilapia Ponds". This undergraduate thesis is submitted in fulfillment of the required academic work and in completion of the requirements to obtain the degree of Bachelor of Computer Science at Universitas Pendidikan Ganesha.

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Author

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