IOT-BASED MONITORING AND AUTOMATION OF HYDROPONICS USING DECISION TREE FOR WATER QUALITY AND NUTRIENT DISTRIBUTION

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Diterima oleh Panitia Ujian Fakultas Teknik dan Kejuruan
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STATEMENT OF AUTHENTICITY

I hereby declare that this academic work entitled <IoT-based Monitoring and Automation of Hydroponics Using Decision Tree for Water Quality and Nutrient Distribution= 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, 20 October, 2026
Statement made by,

I Putu Romyadhy Maha Putra

PREFACE

Praise and gratitude are offered to Almighty God for His blessings and grace, which have enabled the author to complete this undergraduate thesis entitled "IoT-Based Monitoring and Automation of Hydroponics Using Decision Tree for Water Quality and Nutrient Distribution." This thesis was prepared as one of the requirements for obtaining the Bachelor's Degree in Computer Science at the Computer Science Study Program, Universitas Pendidikan Ganesha. During the completion of this thesis, the author received valuable guidance, support, and assistance from many individuals and institutions. Therefore, the author would like to express sincere gratitude to:

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The author realizes that this thesis is not without limitations and is far from perfect. Therefore, constructive criticism and suggestions are sincerely welcomed for the improvement of this work. It is hoped that this thesis will provide valuable contributions to the advancement of knowledge, particularly in the fields of the Internet of Things and hydroponic monitoring systems.

Singaraja, 20 October, 2026

I Putu Romyadhy Maha Putra

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