IMPLEMENTATION OF TRADITIONAL AND BACKPROPAGATION NEURAL NETWORK METHOD AT TRADING COMPANY TO FORECAST PRODUCT DEMAND

UNDERGRADUATE FINAL PROJECT

Submitted as one of the requirements to obtain Sarjana Teknik (S.T.)

By

Elvivani Sari Palembangan

004201900010

FACULTY OF ENGINEERING

INDUSTRIAL ENGINEERING STUDY PROGRAM

CIKARANG

JUNE, 2023

PANEL OF EXAMINER APPROVAL

The Panel of Examiners declare that the undergraduate thesis entitled **"Implementation of Backpropagation Neural Network Approach at Trading Company to Forecast Product Demand"** that was submitted by Elvivani Sari Palembangan majoring in Industrial Engineering from the Faculty of Engineering was accessed and approved to have passed the Oral Examination on June 16th, 2023.

Panel of Examiner

Ir. Hery Hamdi Azwir, M.T

Chair of Panel Examiner

Dr. Ir. Mohamad Toha, M.T.

Examiner 1

FINAL PROJECT ADVISOR RECOMMENDATION LETTER

This thesis entitled **"Implementation of Backpropagation Neural Network Approach at Trading Company to Forecast Product Demand"** prepared and submitted by **Elvivani Sari Palembangan** in partial fulfillment of the requirements for the degree of Bachelor Degree in the Faculty of Engineering has been reviewed and found to have satisfied the requirements for a thesis fit to be examined. I therefore recommend this thesis for Oral Defense.

Cikarang, Indonesia, 16th June 2023

Johan Krisnanto Runtuk, S.T., M.T.

STATEMENT OF ORIGINALITY

In my capacity as an active student of President University and as the author of the final project stated below:

Name	: Elvivani Sari Palembangan
Student ID number	: 004201900010
Study Program	: Industrial Engineering
Faculty	: Engineering

I hereby declare that my final project entitled **"IMPLEMENTATION OF BACKPROPAGATION NEURAL NETWORK APPROACH AT TRADING COMPANY TO FORECAST PRODUCT DEMAND"** is to the best of my knowledge and belief, an original piece of work based on sound academic principles. If there is any plagiarism detected in this final project, I am willing to be personally responsible for the consequences of these act of plagiarism, and will accept the sanctions against these acts in accordance with the rules and policies of President University.

I also declare that this work, either in whole or in part, has not been submitted to another university to obtain a degree.

Cikarang, Indonesia, 16th June 2023

Elvivani Sari Palembangan

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Study program : Industrial Engineering
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Declare that following final project:

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Final Project author : Elvivani Sari Palembangan
Student ID number : 004201900010

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Johan Krisnanto Runtuk, S.T., M.T.

IMPLEMENTATION OF BACKPROPAGATION NEURAL NETWORK APPROACH AT TRADING COMPANY TO FORECAST PRODUCT DEMAND

By

Elvivani Sari Palembangan

004201900010

Approved by

Johan Krisnanto Runtuk, S.T., M.T.

Thesis Advisor

Ir. Andira Taslim, M.T

Program Head of Industrial Engineering

Elvivani

by Elvivani Skripsi

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Elvivani

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