

**DEVELOPMENT OF SUPPLIER STOCK MONITORING WEBSITE
WITH RECOMMENDATION SYSTEM USING COLLABORATIVE
FILTERING METHOD AT UD. PEKANBARU JAYA**

THESIS

To fulfill some of the requirements
obtain a Bachelor of Computer Science degree

Compiled by:

Harris Abdillah Faqih

NIM: 422021611031



**INFORMATICS ENGINEERING
FACULTY OF SCIENCE AND TECHNOLOGY
UNIVERSITY OF DARUSSALAM GONTOR**

2024

AUTHORIZATION

"Development of a Website Monitoring Supplier Stock with a Recommendation System
using Collaborative Filtering method at U1D Pekanbaru Jaya"

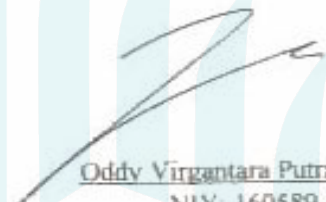
THESIS

To fulfil some of the requirements
To obtain a Bachelor of Computer Science degree


Composed by
Harris Abdillah Faqih
NIM. 422021611031

This thesis has been tested and passed on
September 14, 2024
It has been checked and approved by:


Supervisor I


Oddy Virgantara Putra, M.T
NIY: 160589

Supervisor II


Dihin Murvatmoko, M.T
NIY: 150489

Knowing
Head of Informatics Engineering


Dihin Murvatmoko, M.T
NIY: 150489

UNITDA
GONTOR
UNIVERSITAS DARUSSALAM GONTOR

ORIGINALITY STATEMENT

I declare truly that to the best of my knowledge, in this thesis manuscript there is no scientific work that has ever been submitted by another person to obtain an academic degree at a university, and there is no work or opinion that has ever been written or published by another person, except those cited in writing in this manuscript and mentioned in the bibliography.

If it turns out that this thesis manuscript can be proven to contain elements of plagiarism, I am willing for this thesis to be rejected and the academic degree I have obtained (bachelor's degree) to be cancelled, and processed in accordance with applicable laws and regulations (Law No. 20 of 2003, Article 25 paragraph 2 and Article 70).

Ponorogo, September 14,
2024

Harris Abdillah Faqih
NIM: 422021611031

UNIDA
GONTOR
UNIVERSITAS DARUSSALAM GONTOR

FOREWORD

Alhamdulillah hi rabbil 'alamin, praise be to God Almighty, namely Allah SWT, because of the abundance of His grace and gifts we can feel the pleasure of health so that we are given ease while seeking knowledge during the learning process so far. Blessings and greetings are always addressed to the Prophet Muhammad SAW, as His messenger who has guided us and shown us the straight and true path that we feel today.

And don't forget to express our deepest gratitude to all the lecturers who have provided guidance during the thesis writing process, so that the writing of the thesis with the title "*Development of Supplier Stock Monitoring Website with Recommendation System using Collaborative Filtering method at Ud. Pekanbaru Jaya*" this can be completed. With humility, the author realizes that in the process of working on this thesis cannot be separated from various parties who have helped, encouraged and directed the author in completing this thesis. On this occasion, the author would like to express his deepest gratitude to:

1. The author's parents and beloved siblings who always provide prayers and never-ending motivation.
2. Myself who has struggled in completing this thesis until now.
3. Ustadz Professor. Dr. Hamid Fahmy Zarkasyi, M.A.Ed., M.Phil., as the Chancellor and all his staff, and all lecturers of Darussalam Gontor University Ponorogo who have educated the author.
4. Ustadz Haris Setyaningrum M.Sc, as Dean of the Faculty of Science and Technology and the lecturers.
5. Ustadz Dihin Muriyatmoko, S.ST, M.T. as the Head of the Informatics Engineering Study Program along with his lecturers and staff, who encouraged and guided the author to conduct research for this thesis.
6. Ustadz Oddy Virgantara Putra, S.Kom., M.T. as a supervisor who has been willing to take the time to guide, support, and direct the author.
7. Many thanks to the Pekanbaru Jaya store for helping the author collect the necessary data.

8. Friends from the Informatics Engineering Department who continue to support and assist this research.

In compiling this thesis, the author realizes that there are still many shortcomings and it is far from perfect, therefore the author expects constructive criticism and suggestions so that this thesis can be useful. Finally, the author hopes that this thesis can be a reference for those who need it and do not forget that the Grace and Guidance of Allah SWT will always be bestowed upon us all, amen ya rabbal 'alamin

Ponorogo, September 14, 2024

Harris Abdillah Faqih

harrisfaqih42031@mhs.unida.gontor.ac.id

