

COMPARISON STUDY OF THE DEVELOPMENT OF SELF-SERVICE BUSINESS INTELLIGENCE BETWEEN POWER BI AND TABLEAU DESKTOP

(Case Study: Microsoft Adventure Works)

THESIS

Submitted to the International Program Department of Industrial Engineering
Faculty of Industrial Technology in Partial Fulfillment of the Requirements for the
degree of Sarjana Teknik Industri



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2019

AUTHENTICITY STATEMENT

In the name of Allah, I hereby certify that this research is based on my own work except for citations and summaries in which of those is explicit knowledge. If in the future this statement is proved not right and violates the legal regulation of papers and intellectual property rights, I agree Universitas Islam Indonesia revoke my bachelor certificate.

Yogyakarta, June 2019



Muhammad Fauzan Rafif

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THESIS APPROVAL OF SUPERVISOR

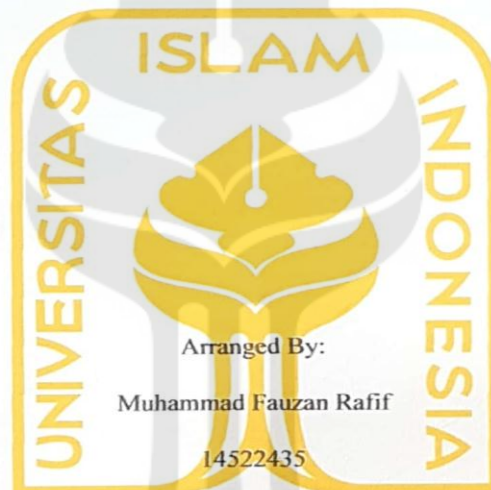
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الجامعة الإسلامية
Yogyakarta, 28th June 2019

Supervisor

A handwritten signature in blue ink, belonging to Muhammad Ridwan Andi Purnomo, is written over the 'Supervisor' text.

(Muhammad Ridwan Andi Purnomo S.T., M.Sc., Ph.D.)

THESIS APPROVAL OF EXAMINATION COMMITTEE

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Was defended before Examination Committee in Partial Fulfillment of the requirements
For the degree of Industrial Engineering Department

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(Dr. Latifq Immawan, S.T., M.M.)



DEDICATION PAGE

Assalamu'alaikum Warahmatullaahi Wabarakatuh

Firstly, in the name of Allah SWT the most gracious and the most merciful. Then also Prophet Muhammad SAW which bring people from dark ages into age of enlightenment because of that can make me enables to complete the report thesis entitled “Comparison Study of the Development of Self-Service Business Intelligence between Power BI and Tableau Desktop” (Case Study: Microsoft Adventure Works) timely as the report that the author already finishes the internship that is one of the main subjects in the International Program Department of Industrial Engineering Universitas Islam Indonesia.

During the thesis project and the process of writing this report, the writer can't finish all the work if there is no help from Allah SWT and all the people that support the writer. The writer wants to say thank you to all the people that always giving their support, i.e.:

1. Dean of the faculty of Industrial Technology, Universitas Islam Indonesia.
2. My supervisor in this thesis, Muhammad Ridwan Andi Purnomo, S.T., M.Sc., Ph.D. for his valuable assistance and guidance to the completion of this report
3. Mrs. Diana and Mrs. Devi which is always bothered by me in completing the thesis project.
4. My beloved parents, brothers, and sisters who always giving their prayer, love, and support
5. My wife Tiara Puspitasari who always give me support, love and prayer and My princess Kaithlyn Nadhifa who give me strength and motivation to finish this project.
6. My support and helper of this thesis project (Kukuh, Bang Rakhmat, Sofyan, Vensta, and Silfa) who already help me and give inspiration. Let's aim high!

7. My friends who already become brothers Mas Lutfi and Mas Luthfan who give me support and give many “wejangan”.
8. My Family in IPFTI 014 friends. Thanks guys, See you on top!
9. For all the people that can’t be mentioned here, may Allah bless you

The author realized that this report is full of imperfection and employ many shortcomings. Thus, the author is looking forward to the reader’s constructive criticism and suggestions for the sake of improving this report. Also, the author hopes that this internship may be beneficial for all parties and hopefully all of what has been done will be recorded as ballast weights at the end of the charity in the future by Allah SWT.

Wassalaamu’alaikum Warahmatullaahi Wabarakatuh

Yogyakarta, April 2019

Muhammad Fauzan Rafif

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MOTTO

“For indeed, with hardship [will be] ease.” “Indeed, with hardship [will be] ease.”

- (Q.S. Al-Insyirah: 5-6)

“Be mindful of ALLAH SWT and ALLAH SWT will protect you”

- (HR. Tirmidzi)

“So, which of the favors of your Lord would you deny?”

- (QS: Ar-Rahman 55:61)

“Where there is a will, there is a way”

- Unknown

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