

Universiti Teknologi MARA

**Automated Dynamic Reporting System
for Big Data**

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**Thesis submitted in fulfillment of the requirements
for
Bachelor of Computer Science (Hons)
Faculty of Computer and Mathematical Sciences**

January 2019

SUPERVISOR'S APPROVAL

AUTOMATED DYNAMIC REPORTING SYSTEM FOR BIG DATA

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This thesis was prepared under the direction of thesis supervisor, Encik Imran Bin Md Jelas. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science (Hons).

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JANUARY 8, 2019

DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.



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ACKNOWLEDGEMENT

Alhamdulillah, praise and thank to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. After had many kinds of challenging, but with supported and helped from those kinds of people that I would like to thank. Firstly, my special thanks go to my supervisor, Encik Imran bin Md Jelas and my co-supervisor Puan Nik Rusilawati binti Nik Mustapa

Special appreciation also goes to my beloved parents, Encik Ahmad bin Haji Abdullah and Puan Kasum binti Atu that being the main happiness and motivated during completing this project development. They were those persons that spent money, time and pray for me all the time through thick and thin.

I would also like to thank my best friends, whom I call ourselves as the three musketeers and my dear housemates for all the random car rides and conversations that made my university life bearable.

Last but not least, I would like to give my gratitude to my dearest friend and to all classmates that works along with me. I am so grateful on completing this project development after all the effort had been done.

ABSTRACT

Reporting system is a platform to store the reporting data such as finance report, rainfall distribution data, and many more. Reporting systems help in capturing data that is needed by clerks to provide effective information to the user or organizations. This project consists of developing an Automated Dynamic Reporting System for Big Data. This project is a system for anyone, especially for the clerk to manage the data in numerical form. This project purposed to develop a system that can solve a problem in reporting data in the system such as the clerk returns to the programmer when updates are needed, incurs an ongoing cost for system maintenance and content can get stagnant and out of date. Other than that, inaccurate data reporting can lead to a vastly uniformed decision based on erroneous evidence. The significance of this project development is to prove that a programmer can be eliminated from being a content updater, to reduce clerk dependency on programmer to update data reporting, and to make data reporting more efficient and effective. Other than that, the clerk can update the content without any knowledge of XHTML or requiring FTP transfer of files. A dynamic reporting system calls content from a database and has many advantages in terms of maintenance of content and speed. Thus, the cost incurred by the clerk may reduce. The system developed using Waterfall methodology which contains six phases. The phases consist of; planning, analysis, design, implementation, testing, and documentation.