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Universiti Teknologi MARA

**An Analysis on The Uses of Data
Modeling in Database Application
Development**

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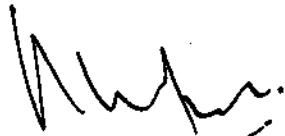
Thesis submitted in fulfillment of the requirements for
**Bachelor of Science (Hons) Information System
Engineering**
**Faculty of Information Technology And
Quantitative Science**

October 2004

DECLARATION

I certify that this thesis 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

OCTOBER 11, 2004



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ACKNOWLEDGEMENTS

Alhamdulillah, at last I had finished my last year project. Lots of thanks and deepest gratitude expressed to my supervisor, Encik Ahmad Zambri Shahuddin for giving a big hand in checking and advising throughout my project to be done properly.

Special thanks to the coordinator of final year project, Dr. Habibah for the generous provision of relevant documents and materials needed to this final year project.

Besides, also a big thanks to all of the companies involved in giving a big cooperation in assisting me in finding lots of useful related information for this research.

Last but not least, thanks to my parents, Encik Ahmad bin Zainal Abidin and Puan Maimunah Haji Mohammad for a greatest love and supports you gave me. For family, Halina Ahmad, Hanita Ahmad, Haniza Ahmad, Hisham Ahmad and Hafizi Ahmad thanks for the loves you all gave me. Love you all so much. To my dearness Saifullah Jaya, thanks for being with me and understanding me much during the process of the development of this project. Thank you.

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ABSTRACT

THE ANALYSIS ON THE USES OF DATA MODELING IN DATABASE APPLICATION DEVELOPMENT

Database applications development can be part of a larger project as it's become increasingly complex each day. It's providing the basis not only for business applications, but also for searching new market opportunities in this era of competitive global marketplace. Thus, it is important to model, design and maintain this complex database. From the survey that being made to the most of the system developers, it being found that data modeling approach can absolutely assist in ensuring the accuracy and the consistency of the data required by this database. It being found that by using data modeling approach, all the data that being required for the development will be correctly and completely identified. The survey also shows that most of the respondents used the relational model and the Entity Relationship Approach as its tool to model their data. There are also the indications from the Chi-square test of associations where the successful complete data model is dependent on educational level and development times. As there is an evolution in the data modeling approach, the developer may decide on which approach they may suit. No matter on what approach they may use, the importance of data modeling in the database application development cannot be refused.