

**Universiti Teknologi MARA**

**Modeling Information Ecology for  
Research Community: A Case Study for  
System Science Department, FTMSK**

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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**

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## **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

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# **APPROVAL**

## **MODELING INFORMATION ECOLOGY FOR RESEARCH COMMUNITY: A CASE STUDY FOR SYSTEM SCIENCES DEPARTMENT, FTMSK**

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This thesis project was prepared under the direction and supervision of thesis advisor, PM Dr. Nor Habibah Hj Arshad, Department of System Sciences Department and it has been approved by the supervisor, Pn Romiza Md Nor. It was submitted to the Faculty of Information Technology and Quantitative Science and was accepted as partial fulfillment of the requirements for degree in Bachelor in Science (Hons) Information System Engineering.

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## **ABSTRACT**

Information management in research community, not more or less than other businesses or organization, needs to be govern wisely. Since a research community will focus on discovering new finding, the information stored must be able to be share by others, inside or outside the community. Information ecology is a new concept of information management, invented to tackle today's issues. This concept considered both tangible and intangible elements, such as staff and culture that exist in a particular organization or community besides proposing guidance on how to manage the elements from an ecological approach. This paper attempts to suggest new method in managing information in a research community. To accomplish this, both primary and secondary data were used. The paper will first discuss on the potential problem of current management from an ecological point of view. Later section will recommend new approach by adopting information ecology concept.

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