UNIVERSITI TEKNOLOGI MARA

TUBERCULOSIS PREDICTION SYSTEM USING ARTIFICIAL NEURAL NETWORK

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DECLARATION

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

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ABSTRACT

Tuberculosis could be predicted using the Artificial Neural Network. This system will reduce the time and cost to predict the tuberculosis disease. ANN will use past datas to run and compare with the new data that will predict whether the individual contracted tuberculosis disease or not.

There are a lot of techniques that can be used to make predictions, but the technique which is suitable to be used to make this prediction is neural network system. This is because the neural network has two other types of techniques which can be used as feed forward and backward techniques. Back-propagation is one of the feed forward techniques that can be used when we know what the output that will carry out after the information (data) are keyed in.

The prediction used in Neural Network technique is whereby some of the data about the symptoms of tuberculosis are used as prediction to see whether the suspected person is infected with tuberculosis or not. The prototype used is in form of an engine that makes some data predictions accuracy are almost the same or even better than previous manual data process.

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CHAPTER 3: RESEARCH METHODOLOGY