AN INTELLIGENT DIAGNOSTIC SYSTEM FOR MALARIA

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UNIVERSITI MALAYSIA PERLIS

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AN INTELLIGENT DIAGNOSTIC SYSTEM FOR MALARIA

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by

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DECLARATION OF THESIS

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Aimi Salihah Abdul Nasir, September 2015.

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C.8	The system is presently classifying the blood image as malaria image, and further classifies it as mature trophozoite stage of *P. vivax* species	365
C.9	The system is presently classifying the blood image as non-malaria image	366
C.10	The system is presently classifying the blood image as non-malaria image	366
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LIST OF ABBREVIATIONS

1-NN	1-nearest neighbors
AFKM	Adaptive fuzzy *k*-means
AI	Artificial intelligence
ANN	Artificial neural network
BP	Back propagation
BFF	Back propagation feed forward
BR	Bayesian regulation
CDC	Centers for Disease Control and Prevention
CART	Classification and regression tree
CT	Computed tomography
DNA	Deoxyribonucleic acid
DSM	Distribution separation measure
EGK'M	Enhanced global *K*'-means
EKM	Enhanced *k*-means
EnSFCM	Enhanced suppressed fuzzy *c*-means
ELM	Extreme learning machine
FLD	Fisher linear discriminant
FAM	Fuzzy ARTMAP
FCM	Fuzzy *c*-means
GCS	Global contrast stretching
HRP-II	Histidine-rich protein II

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