## APPROVAL

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Approval of the Graduate School of Telkom University
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Dean of School oF Computing, Telkom University
I certify that this thesis satisfies all the requirements as a thesis for the degree of Master
Informatics Engineering.  Date: Ceptember qle 2006
Mer
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Head of Graduate School of Informatics Engineering
This is to certify that we have read this thesis and that in our opinion it is fully adequate
in scope and quality, as a thesis for the degree of Master of Informatics Engineering
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