APPROVAL PAGE

Approval of the School of Computing of Telkom University	
Date:	
(Dr. Maman Abdurohman)	
Dean of School of Computing	
I certify that this thesis satisfies all the requi	rements as a thesis for the degree of Master
Informatics.	-
Date:	
(Dana Sulistyo Kusumo, Ph.D.)	
Head of Graduate of Informatics	
This is to certify that we have read this these	is and that it is fully adequate, in scope and
quality, as a thesis for the degree of Master of I	Informatics.
Date:	
(Jimmy Tirtawangsa, Ph.D.)	(Thomas Anung Basuki, Ph.D.)
Supervisor	Co-Supervisor
Examining Committee Members (first name b	
second name belongs to supervisor, the rest is i	
Date of examination:	
(Dr. Marisa Paryasto) (Chairperson of the jury))
(Mariskha Tri Adhitia, P.D.Eng.) (jury's memb	Der)
(Rayu Erfianto S Si M Sc) (jury's member)	