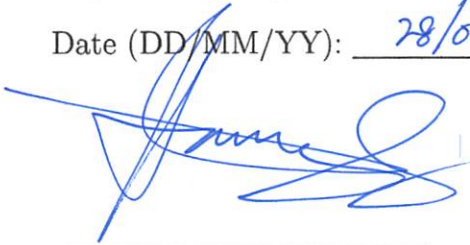


This is to certify that we have read this thesis and that it is fully adequate, in scope and quality, as a thesis for the degree of Master of Informatics.

Date (DD/MM/YY): 28/01/2019



(Parman Sukarno, Ph.D.)

Supervisor

Examining Committee Members

Date of examination (DD/MM/YY): 28/01/2019

(Rimba Whidiana Ciptasari, Ph.D.)(Chairperson of the jury):



(Didit Adytia, Ph.D.)(jury's member):



(Tjokorda Agung Budi Wirayuda, ST., MT.)(jury's member):

