

**Title of Thesis** : The Comparison Of Mathematical Reasoning Ability Between  
Coopeartive Learning Model TPS (Think-Pair-Share) With  
STAD (Student Team Achievement Division) on Subject  
Quadratic Equation At Grade VIII in SMPN 11 Binjai  
Academic Year 2015/2016

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**Department** : Mathematics

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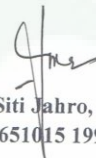
Acknowledge By:

Mathematics Department Chief

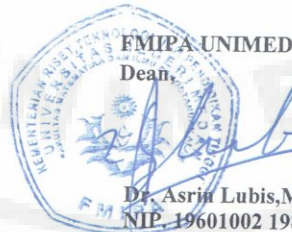


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## BIOGRAPHY

Windy Erlisa was born in Samarinda, Mei 14<sup>th</sup> 1994. She is the second children from Ali Akbar Ritonga and Ernawaty Siregar. In 2000, she started her study at SD Muhammadiyah 2 Samarinda and graduated in 2006. In 2006, the author continued study to SMPN 2 Binjai and graduated in 2009. The author continued study to SMAN 1 Binjai and graduated in 2012. After graduated from Senior High School, she continued her study in Unimed as student in Bilingual Class, Mathematics Education Study Program in 2012. She is active in HMJ Matematika Unimed. Finally, the author completed her study of under-graduated (S-1) from Unimed in 2016.





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