

**Title of Thesis** : The Differences of Students' Achievement And  
Critical Thinking By Implementing Problem  
Based Learning (PBL) and Process Oriented  
Guided Inquiry Learning (POGIL) On  
Solubility and Solubility Product Topic

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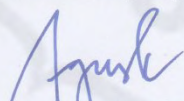
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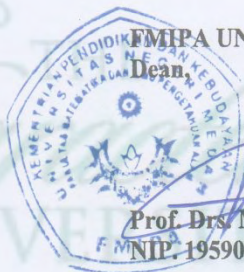


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Siti Fatimah was born in Sambirejo on March 28<sup>th</sup> 1993. Her father's name is Nasip and her mother's name is Tunem. The writer is the first child and have 2 sisters and 1 brother. In 1999 the writer entered the Elementary School in SDN 056607 Sambirejo and graduated in 2005. In 2005 the writer continued her study in MTs Sabila Akhyar Kwala Begumit and graduated in 2008. In 2008 the writer continued her study in MAN Binjai and graduated in 2011. In 2011 the writer was accepted in Chemistry Department, Bilingual Chemistry Education Study Program, Mathematics and Natural Sciences Faculty, State University of Medan and pass the examination in 2015.

