

**Thesis:**

**The Effect of TPACK Based Differentiated Inquiry Learning Model To  
Increase Motivation and Physics Problem Solving Ability In  
MAN 2 Model Medan**

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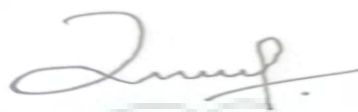
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Putri Amalia, the author of this thesis entitled *The Effect of TPACK-Based Differentiated Inquiry Learning Model on Motivation and Physics Problem Solving Ability at MAN 2 Model Medan*, was born in Tarutung on February 05, 2003. The author is the second child (of two siblings) of Mr. Ipda Beny Alexander Zulkarnain (father) and Mrs. Asni Ariani A.Md (mother). The author started formal education at MIN Padang Bulan in 2008 and graduated in 2014. The author continued his education at SMP N 1 Rantau Selatan in 2014 and graduated in 2017. The author continued his education at SMA N 1 Rantau Selatan in 2017 and graduated in 2020. In 2020, through the the invitation path (SNMPTN), the author was accepted as one of the students in the Physics Education Study Program and moved to the Physics Education Bilingual Study Program, Faculty of Mathematics and Natural Sciences, Medan State University. On November 13, 2024, the author passed the thesis defense exam, and was entitled to use the Bachelor of Education (S.Pd) degree. During the lecture, the author participated in several activities such as, PLP at MAN 2 Model Medan, become the committee of physics competition and porseni 2022, and carrying out a Real Work Lecture program in Simpang Marbau Village, Labuhanbatu Utara Regency 2023.

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