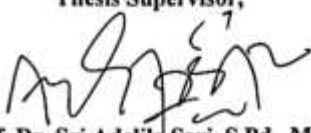


Thesis:

**Development of Contextual-Based Chemistry Teaching Materials on the
Subject of Buffer Solution in Senior High School**

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MOTTO SHEET

“Therefore do not worry about tomorrow, for tomorrow will worry about itself. Each day has enough trouble of its own.”

(Matthew 6:34)

"Other people will not be able to understand our struggles and difficult times, all they want to know is the success stories. Fight for yourself even if no one applauds. Our future selves will be very proud of what we strive for today, keep fighting!"

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**PUBLICATION APPROVAL PAGE OF THESIS FINAL PROJECT FOR
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As an academic member of the Universitas Negeri Medan, I, the undersigned:

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That state,



Catherine Juperta Hotmatua Marbun
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BIOGRAPHY



Catherine Juperta Hotmatua Marbun, the author of the thesis entitled “Development of Contextual-Based Chemistry Teaching Materials On The Subject of Buffer Solution In Senior High School”, was born in Parbotihan on May 01, 2003. The author is the fourth child (of 9 siblings) of Parulian Marbun (father) and Elisdiana Sitanggang (mother). The author started formal education at SD Negeri 173444 Parbotihan in 2008 and graduated in 2014. After elementary school, the author continued her studies at SMP Negeri 3 Onanganjang and graduated in 2017. After junior high school, the author continued his studies at SMA N 1 Onanganjang, Science Department in 2017 and graduated in 2020. In 2020, through an independent pathway, the author was accepted as one of the students in the Bilingual Chemistry Education Study Program, Faculty of Mathematics and Natural Sciences, Medan State University.