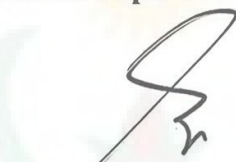


**Thesis:**

**Development of Powtoon-Based Audio-Visual Media in Chemical Bonding Materials**

Name : Delila Br Sembiring  
IDN : 4193131018  
Study Program : Bilingual Chemistry Education Program  
Department : Chemistry

Approved by:  
Thesis Supervisor,



apt. Nora Susanti, S.Si., M.Sc.  
NIP. 197810222009122001

Acknowledge by:

Chemistry Department  
Head,



Dr. Ayi Darmana, M.Si.  
NIP. 196608071990101001

Bilingual Program  
Coordinator,



Dr. Ely Djulia, M.Pd.  
NIP. 196607241991032012

FMIPA Unimed

Dean,



Prof. Dr. Fauziyah Harahap, M.Si.  
NIP. 196607281991032002

Date of Graduate: May 17<sup>th</sup>, 2023