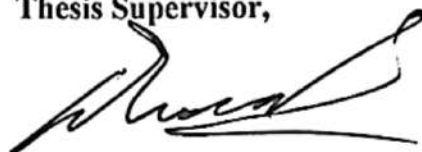


**Thesis:**

**Development of Ispring Learning Media Based on Android Mobile  
Using Students' Worksheet on Salt Hydrolysis Material**

**Name : Maya Jenita Simatupang**  
**IDN : 4203331001**  
**Study Program : Bilingual Chemistry Education**  
**Department : Chemistry**

**Approval:  
Thesis Supervisor,**



**Prof. Dr. Ida Duma Riris, M.Si.**  
**IDN. 195806291980112001**

**Acknowledge:**

**Chemistry Department  
Head,**



**Dr. Ayi Darmana, M.Si**  
**IDN. 196608071990101001**

**Bilingual Program  
Coordinator,**



**Dr. Ely Djulia, M.Pd**  
**IDN. 196607241991032012**



**FMIPA Unimed  
Dean**

**Dr. Ani Sutiani, M.Si**  
**IDN. 196807301992032001**

**Graduated: June 26, 2024**

## ORIGINALIZATION STATEMENT SHEET

I state in fact that this thesis is my work, and all sources, both quoted and referenced in the manuscript, have been correctly stated in the citation sources and bibliography.

If in the future it is known and can be proven that it turns out that in this thesis there are elements of copyright or plagiarization then I am willing if this thesis is canceled and processed by the prevailing laws and regulations (Law No. 20 of 2003, article 25 paragraph 2 and article 70).

Medan, 20<sup>th</sup> May 2024



Maya Jenita Simatupang

ID Nu. 4203331001

## PUBLICATION APPROVAL SHEET

As an academic community of Medan State University, I signed below :

Name : Maya Jenita Simatupang  
ID Number : 4203331001  
Study Program : Bilingual Chemistry Education  
Faculty : Mathematic and Natural Sciences  
Types of Works : Thesis

for the sake of the development of science, agreed to grant to the State University of Medan of Non-exclusive Royalty-Free Right for my scientific work entitled : *The Development of iSpring Learning Media based Android Mobile using Students' Worksheet on Salt Hydrolysis Material* and existing devices (if needed). With this Nonexclusive Royalty-Free Rights, Universitas Negeri Medan has the right to store, transfer/format, manage in the form of databases, maintain, and publish my final duties as long as it still lists my name as writer/author and as the copyright owner.

Thus this statement I made in fact to be used properly.

Created in : Medan

Date : May, 20<sup>th</sup> 2024

That Stated,



Maya Jenita Simatupang

ID Nu. 4203331001