

**DISSERTATION**

**RATIONAL DESIGN, STRUCTURAL CHARACTERIZATION, AND  
RECOMBINANT EXPRESSION OF ANTIBACTERIAL WUCHUANIN-A1  
PEPTIDE ANALOGS**

**DESAIN RASIONAL, KARAKTERISASI STRUKTURAL, DAN  
EKSPRESI REKOMBINAN PEPTIDA ANALOG WUCHUANIN-A1  
SEBAGAI KANDIDAT ANTIBAKTERI**



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**22/507099/SPA/00897**

**DOCTORAL PROGRAM IN CHEMISTRY  
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**YOGYAKARTA**

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## APPROVAL PAGE

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Approved by the Board of Examiners, Doctoral Program of Chemistry  
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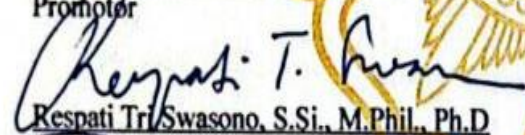
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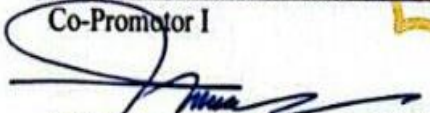
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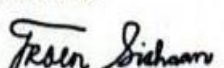
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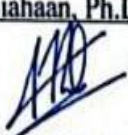
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