PENETRATION TESTING FOR CROSS-SITE SCRIPTING (XSS) DETECTION USING PENETRATION TESTING EXECUTION STANDARD (PTES) METHODOLOGY: A CASE STUDY OF INFORMATION SYSTEMS IN UNIVERSITAS PENDIDIKAN GANESHA

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INFORMATION SYSTEM STUDY PROGRAM

DEPARTMENT OF INFORMATICS ENGINEERING

FACULTY OF ENGINEERING AND VOCATIONAL

UNIVERSITAS PENDIDIKAN GANESHA

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UNDERGRADUATE THESIS

Submitted to

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To fulfil One of the Requirements in Completing the

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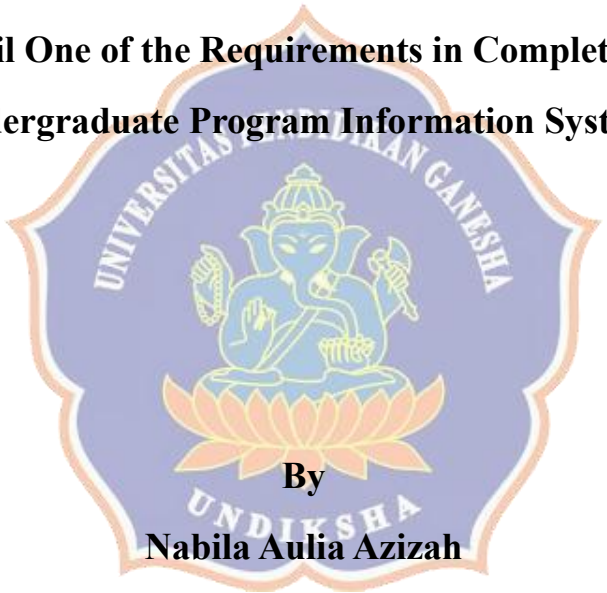

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SUBMITTED IN FULFILLMENT OF THE REQUIRED ACADEMIC WORK AND IN COMPLETION OF THE REQUIREMENTS TO OBTAIN THE DEGREE OF BACHELOR OF COMPUTER SCIENCE

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STATEMENT OF AUTHENTICITY

I hereby declare that this academic work entitled “Penetration Testing for Cross-Site Scripting (XSS) Detection Using Penetration Testing Execution Standard (PTES) Methodology: A Case Study of Information Systems in Universitas Pendidikan Ganesha” and all its contents are truly my own work, and I have not committed plagiarism or cited in ways inconsistent with the ethics prevailing in the academic community. I am prepared to bear any risk/sanction imposed on me if violations of academic ethics are found in this work, or if there are claims against its authenticity.

Singaraja, 09 June 2026

Statement made by

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MOTTO

“There is no another chance in this life. Do it now or never.”

PREFACE

The author would like to express sincere gratitude to the Almighty of God for His blessings and grace, which encourage the author to complete this undergraduate thesis entitled "Penetration Testing For Cross-Site Scripting (XSS) Detection Using Penetration Testing Execution Standard (PTES) Mfethodology: A Case Study of Information Systems In Universitas Pendidikan Ganesha."

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Singaraja, 28 May 2026

Author

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