

## **ISMS GOVERNANCE IMPROVEMENT STRATEGY BASED ON ISO/IEC 27001:2022 IN THE UNIVERSITY INFORMATION TECHNOLOGY UNIT**

**Siti Kholijah<sup>1\*</sup>**

<sup>1</sup> Universitas Islam Negeri Jurai Siwo Lampung

---

### **Article Info**

#### **Article history:**

Received May 15, 2026

Revised June 6, 2026

Accepted June 11, 2026

---

#### **Keywords:**

ISMS, ISO/IEC 27001:2022,  
Higher Education,  
Information Security  
Governance, Gap Analysis.

---

### **ABSTRACT**

This study evaluates the implementation of an ISO/IEC 27001:2022-based Information Security Management System (ISMS) in an information technology unit at a university. The method used is quantitative descriptive with Gap Analysis, through observation, documentation study, and a compliance questionnaire for 93 Annex A controls. The results show that ISMS implementation is at a moderate level with a medium compliance category. Most controls have been implemented according to SOPs (40% with a score of 3), but there are still obstacles in the form of uneven control implementation (16% with a score of 0) and a lack of formal documentation (14% with a score of 1). The effectiveness of ISMS is influenced by management support, documentation standardization, and a culture of information security awareness. This study recommends improving documentation, strengthening internal audits, and preparing for international certification through an ISMS development roadmap to strengthen the university's information security resilience against cyber threats.

This is an open access article under the CC BY-SA license.



#### **Corresponding Author:**

**Siti Kholijah** | Universitas Islam Negeri Jurai Siwo Lampung

Email: [siti.kholijah@uinjusila.ac.id](mailto:siti.kholijah@uinjusila.ac.id)

---