

## ABSTRAK

Keamanan informasi merupakan tantangan penting bagi instansi pemerintah yang mengelola data strategis, termasuk Dinas Pekerjaan Umum dan Penataan Ruang, Lingkungan Hidup Kabupaten Tasikmalaya. Minimnya strategi formal dalam pengelolaan keamanan informasi menjadi permasalahan utama. Penelitian ini menawarkan solusi melalui evaluasi tingkat kematangan keamanan informasi menggunakan Indeks KAMI versi 5.0 dan perumusan strategi peningkatan berbasis metode *Ward and Peppard*. Hasil evaluasi menunjukkan skor total 443 dengan kategori “cukup”. Berdasarkan klasifikasi tingkat kematangan, sebagian besar area berada pada kategori menengah, sementara Kerangka Kerja Keamanan Informasi tercatat dalam kategori rendah dan Pelindungan Data Pribadi sudah mencapai kategori tinggi. Berdasarkan hasil tersebut, disusun delapan strategi peningkatan yang mencakup kebijakan, infrastruktur TI, pelatihan SDM, dan penerapan standar ISO/IEC 27001.

**Kata Kunci :** Keamanan Informasi, Indeks KAMI 5.0, *Ward and Peppard*

## ABSTRACT

*Information security is a critical challenge for government agencies that manage strategic data, including the Department of Public Works, Spatial Planning, and Environment of Tasikmalaya Regency. The lack of formal strategies in managing information security remains a key issue. This study offers a solution by evaluating the information security maturity level using the KAMI Index version 5.0 and formulating improvement strategies based on the Ward and Peppard method. The evaluation results show a total score of 443, which falls into the "adequate" category. Based on the maturity classification, most areas are in the medium category, while the Information Security Framework falls into the low category, and Personal Data Protection has reached the high category. Based on these results, eight improvement strategies were formulated, covering policy development, IT infrastructure, human resource training, and the implementation of ISO/IEC 27001 standards.*

**Key Words :** *Information Security, KAMI Index 5.0, Ward and Peppard*