



EARLY WARNING SYSTEM @ TAMAN EKO-RIMBA NEGERI PERAK

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ABSTRACT

The Early Warning System (EWS) at Taman Eko-Rimba Negeri Perak is a cutting-edge technology and innovation, designed to detect and alert about impending "kepala air" (sudden water surges) in real-time. This system, costing approximately RM360,000.00, integrates advanced sensors, weather forecasting tools, and communication networks to monitor water levels and meteorological conditions. Upon detecting unusual patterns indicative of *kepala air*, the system triggers alarms and disseminates alerts to park authorities and visitors, enabling timely evacuations and preventive measures. Currently, there is two (2) location of this system in Perak State. The EWS offers significant advantages, including enhanced safety for visitors, reduced risk of casualties, and improved disaster response coordination. It also fosters a sense of security, potentially increasing tourism and supporting local economic growth. However, the system has its drawbacks. The high initial cost and maintenance expenses can strain limited park budgets. Moreover, the system's efficacy depends on internet connection, regular updates and accurate data, necessitating continuous investment in technology and training. False alarms can also cause unnecessary panic and evacuations, potentially undermining public trust. Despite these challenges, the EWS represents a crucial step towards safeguarding lives and promoting sustainable tourism at Taman Eko-Rimba Negeri Perak.

Keywords: Technology, innovation, sudden water surges