ANTI-CYBERCRIME: THE ART OF WAR TOWARDS ANTI-CYBER SECURITY MEASURES FOR GOVERNMENT BUSINESS TRANSACTIONS IN LOCAL GOVERNMENT UNITS IN METRO MANILA, PHILIPPINES

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ABSTRACT

The study investigates the cybersecurity challenges faced by Local Government Units (LGUs) in Metro Manila and examines the impact of Art of War-inspired anti-hacker strategies on government business transactions. The objectives include analyzing LGUs' cybercrime preparedness, identifying effective anti-hacker measures, and proposing comprehensive cybersecurity enhancements. Utilizing a mixed-methods approach, data was collected through surveys, interviews, and secondary sources, analyzed for correlations between LGUs' cybercrime profiles and anti-hacker strategy effectiveness. Findings reveal escalating cyber threats, with phishing, ransomware, DDoS attacks, and data breaches as key issues. LGUs demonstrated commendable readiness, supported by skilled teams, allocated resources, and proactive policies. Anti-hacker strategies, such as strategic planning, deception tactics, and information warfare, showed significant positive impacts on transaction security, supported by strong correlations and high confidence from IT experts and officials. Proposed measures include advanced network monitoring, vulnerability assessments, and robust incident response plans to strengthen defenses against evolving threats. The study concludes that collaborative efforts, continuous training, and advanced technologies are essential for safeguarding public sector systems. Recommendations include sustained investment in cybersecurity, fostering inter-agency cooperation, and prioritizing awareness programs to enhance resilience against cyber threats.

Keywords: Public Administration; Cybersecurity, Anti-Hacker Strategies; Mixed-Methods; Philippines.