

# **ANALYSIS OF INFORMATION ASSET SECURITY RISK IN ACADEMIC INFORMATION SYSTEMS USING THE ALLERGRO OCTAVE METHOD**

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## **ABSTRACT**

This research was conducted to evaluate the risks faced by the Bengkalis State Polytechnic academic information system (SIAKAD). SIAKAD is used to support academic service activities with good information technology. However, in its application, SIAKAD experienced several problems, especially related to hardware or server damage which could affect SIAKAD's activities. This research uses the Octave Allegro method and is carried out in 8 steps which include establishing risk assessment criteria, developing information asset profiles, calling asset information containers, identifying areas of concern, assisting assistance scenarios, risk analysis, and handling approaches. Data was obtained from 2 respondents through observation and interviews. The results of the research show that there are 4 risk threats faced by SIAKAD Bengkalis State Polytechnic, with 4 risks requiring risk reduction (mitigation) action. This research is expected to provide useful information for the development of SIAKAD and more effective risk management at Bengkalis State Polytechnic and institutions other similar.

Keywords: Security, Information Assets, Information Systems, Octave Allegro