

## **ABSTRAK**

The Purbalingga Regency Communication and Informatics Office is a Regional Apparatus Organization in charge of disseminating information, developing and utilizing ICT and providing services to the public in the field of communication and informatics. In carrying out its business processes DINKOMINFO Purbalingga uses one information system namely E-Account. From the use of the information system has a constraint that is data loss due to exposure to viruses, failure of electric current due to unstable electricity, network failure due to switch / hub damage due to lightning, incomplete SOP, and human errors such as errors inputing and deleting data, so that it is very detrimental to the agency. DINKOMINFO Purbalingga has also never conducted an information system risk management analysis. This study aims to analyze critical assets, threats and risk assessment of company assets. The results of this study are the recommendations for mitigation actions The results of this study are the recommendations for mitigation action plans for threat 1 scenario obtained 8 mitigation actions from 4 containers. For threat scenario 2 we get 3 mitigation actions from 1 container. Threat scenario 3 obtained 4 mitigation actions from 2 containers. Threat scenario 4 obtained 4 mitigation actions from 3 containers. And for threat scenario 5 we get 7 mitigation actions from 2 containers.

Keywords : Information System Risk Management, Critical Assets, OCTAVE Allegro