

I. INTRODUCTION

In order to control macroeconomic stability, a country requires the strategic role of the central bank. This strategic role is realized in the form of a policy mix, including one in terms of managing the stability of the financial system and payment system (Handayani et al., 2021). Central bank ABC as the monetary authority, has carried out its function as the central bank in country XYZ. In its operational activities, ABC central bank has used the electronic security system Electronic Security System (ESS) which functions as a means of controlling and monitoring the security conditions of the ABC central bank office complex because it has a high level of security risk. The implementation of an integrated security system is absolutely necessary so that the system can control security system components and equipment in a comprehensive integrated manner in one interface. This condition will make it easier for ESS operators to monitor, control access to personnel traffic, warn of security disturbances and early warning of fire hazards (Nath, 2021). Security disturbances can take the form of criminal acts of theft, both physical and data and information, which are expected to disrupt the continuity of the institution's duties. The ESS consists of several systems, namely:

1. CCTV

The CCTV monitoring system acts as a multimedia used to monitor operational activities of the ABC central bank office complex (Rizal et al., 2023). The results of monitoring recording are very useful for reviewing and analyzing operational activities that have been carried out, especially for activities related to payment systems.

2. Access control

Access control is used to control access for employees and third parties, including guests at office locations. This system functions to control the access rights of all personnel involved in office operational activities in accordance with the established Standard Operating Procedures (SOP). Only personnel who have full authority can enter all rooms. This system is equipped with an

alarm system that will provide a warning (alarm) if there is a forced attempt to enter a room that is categorized as restricted and closed, so that this system can replace the role of conventional door locks with a better security system (Najib et al., 2021). The implementation of access control is carried out as a physical protection effort so that several locations that are considered closed and prohibited areas can only be accessed by employees who have received special authorization in accordance with their authority (Azhari & Mukhaiyar, 2021).

3. Security Alarm System

The security system functions to indicate a security disturbance through equipment installed around the office building, such as passive infrared and perimeter. Other supporting equipment in this system is the emergency button (panic button), foot switch (kick button) which is installed in the money management work area and critical areas such as the leadership room and control room (Hodgkinson et al., 2023). This system will respond when triggered by each installed component and forward the information to the control room to display a camera preview on the monitoring screen in that area. Likewise with the perimeter, this component will provide a warning signal to the main module in the control room if there is movement that crosses the infrared emitting area which is considered an attempt to penetrate the central bank office area (Williams et al., 2016).

4. Fire Alarm system

Namely an alarm system that can provide an initial warning of the emergence of a fire hazard based on the trigger input of a detector installed at the location where the fire or heat source occurs (Ma et al., 2020). These detectors can be fire detectors, heat detectors, gas detectors and smoke detectors. A trigger occurs when the detector detects changes in the situation around the sensor and continues the trigger to the main panel called the Main Control Fire Alarm (MCFA). The MCFA panel will then provide information to the main module as input for displaying the camera preview on the main screen of the control room. At the same time, in parallel, the MCFA activates an alarm indicating a fire hazard which signals the need for immediate evacuation of office building occupants. Several fire disaster management facilities were also activated

along with the emergence of fire warnings such as sprinklers in the work area, fire suppression system in the server area and archive storage (Riyan, 2019).

In previous research, analysis was carried out on the maturity of system governance using Indeks KAMI and information security management using the OCTAVE Allegro method, namely:

1. Research 1

The OCTAVE Allegro method has been used at PT XYZ to assess the handling of information security management. This was done as risk mitigation against ransomware attacks on PT XYZ's information system which resulted in the company losing critical information such as project data and customer data (Deva & Jayadi, 2022).

2. Research 2

Research conducted at PT Donarta Hakiki Donarta Surabaya was carried out to analyze the implementation of company information security management. As a company operating in the retail sector, it is necessary to maintain company information assets in the form of customer data, suppliers, inventory data, sales transactions, product purchases, accounts receivable transaction data, and financial transaction data. This data is a critical asset that needs to be maintained to maintain the company's business in a sustainable manner (Saputra et al., 2019).

3. Research 3

An assessment of the maturity of E-Learning application governance carried out at XYZ University has concluded that E-Learning application governance is running well and in accordance with the expected targets. However, to improve performance, it is still necessary to increase the understanding and skills of E-Learning managers, especially in operating the E-Elearning application. Apart from that, it is necessary to assign special personnel to manage E-Learning so that these personnel do not have multiple duties and multiple positions, so they can focus more on managing E-Learning applications (Patria & Susanto, 2022).

Considering the important role of ESS for the operations of Central Bank ABC, it is necessary to evaluate the maturity level of ESS governance using INDEKS KAMI 4.1 and analysis of information security management using the OCTAVE Allegro method.