

## **ABSTRACT**

### **EVENTS ORGANIZATION MANAGEMENT APPLICATIONS USING SJF (SHORTEST JOB FIRST) METHOD BASED ON ANDROID (CASE STUDY FSAR PESAWARAN)**

**By  
Anwar Sholeh Al Qurni**

The impact of technology utilization in various aspects has been felt. It impacts on the organization's event manager who wants to utilize technology. In an organization, management will be demanding to manage organizational activities. Nevertheless, the organization's management is not optimal in managing events because they do not know how to carry out, save data in separate files, and forget to store data. Based on that background, the organization's event management application needs to be designed to manage the organization's management and activities.

The organization's event management application used the Shortest Job First (SJF) method. The SJF method was a process scheduling that executed a process with the shortest event length first. This event process calculation was to take place in (hours) to determine the sequence of the SJF. Moreover, the event processes were entered from 01 to 48 (hours) then sorted from the shortest event process to the longest event process.

This application was featured a profile menu, user menu, add events, view events, register participants and documentation to see photos of the results of the organization's activities, display a list of events based on the SJF method and display the length of time the event lasts, making it easier for administrators to manage the organization and participants of the event in register event.

**Keywords: SJF, Event**