

ASSESSMENT SYSTEM DESIGN
BEST EMPLOYEES WITH WEB-BASED SAW METHOD
(Case Study: Fony Bakery Company Yogyakarta)

ABSTRACT

Fony Bakery is a company engaged in the culinary field. With the data processing process that is still manual by using the MS program; Excel. This causes an error in calculating employee salaries, and the process of printing payslips that takes a long time. In addition, in making monthly payroll reports, the Owners must recap and separate salary data for permanent employees and contract employees which are then inputted into monthly salary reports. Therefore, it is necessary to design a computerized web-based employee payroll information system. It makes easier for the company's performance to record and report employee payroll. The results of this study are the production of a computerized payroll system, has standard rules in the program development process so that it is easy to maintain and develop, and 60% (percent) helps minimize errors in processing employee salary calculations at Fony Bakery. In addition, the company also needs SAW method. It is a decision-making method using multiplication to connect the criteria values, where the value for each criterion must be raised to the first power with the weight of the criteria concerned. This decision support system is a tool that can provide solutions and help admins in the process of selecting the best employees computerized to be more effective and efficient. From calculations using the SAW method, it can be seen that the employees are the best from the alternatives that exist in a company. The results of the study prove that this application is able to assist admins in the selection process for selecting the best employees with the weight product method, as well as providing information on the best employees effectively and efficiently with a percentage of 91.5%.

Keywords: Payroll, Waterfall, PHP, MySQL, SAW, Best Employees