

CHAPTER V

CONCLUSION

5.1. Conclusion

Based on the results of the design, implementation, and testing that have been conducted, it can be concluded that the PKH Management Information System for Pamekasan Regency has been successfully designed and developed as a web-based application. This system aims to assist PKH facilitators in managing KPM data and accelerating the process of generating P2K2 reports and monthly reports. In addition, this management information system also helps PKH coordinators in validating KPM data, P2K2 reports, and monthly reports.

The implementation of the AHP-SAW method in the application has been successfully implemented. The AHP method is used to determine the weights of evaluation criteria, while the SAW method is used to calculate preference values and generate rankings based on the results of monthly report assessments. The integration of these two methods produces structured and easily understandable ranking information for facilitators each month, both for facilitators and coordinators in PKH Pamekasan Regency. This integration also improves the objectivity and consistency of the decision-making process in evaluating facilitator performance.

Based on black box testing results, the system achieved a score of 93.75% out of a maximum of 100%, indicating that the system is functionally capable of meeting the specified requirements. Furthermore, usability testing using the USE Questionnaire resulted in an overall average score of 5.39 out of 7, indicating high levels of usefulness, ease of use, ease of learning, and satisfaction. These results demonstrate that the application can motivate PKH facilitators in Pamekasan Regency to complete their monthly reports more accurately and on time. In addition, the accuracy testing of the AHP-SAW method in generating facilitator rankings yielded an accuracy level of 97.1%. Therefore, the developed application is considered feasible to be used as a system for managing KPM data and evaluating facilitator reports in PKH Pamekasan Regency.

5.2. Suggestions

Based on the conclusions of this study, several suggestions can be proposed for future research. Future studies may consider using other decision-making methods such as **TOPSIS** or **ELECTRE**, or combining multiple methods and comparing the results with the AHP-SAW method used in this research. In addition, future research is expected to evaluate system performance, security, and stability, especially if the application is intended for long-term use.