

CHAPTER V

CONCLUSION

5.1 Conclusion

Based on the entire sequence of activities including the design, implementation, and testing of the web-based sales information system using the First Expired First Out (FEFO) method at Slay Bakehome Store, the following conclusions can be drawn:

1. The web-based sales information system has been successfully built using the PHP programming language and MySQL database. This system can support product data management, stock recording, sales transaction processing, and Sales Report preparation at Slay Bakehome Store in an integrated and computerized manner.
2. The First Expired First Out (FEFO) method has been successfully implemented in the system to manage stock release based on the nearest expiration date. The system automatically prioritizes stock with the nearest expiration date in each sales transaction.
3. Based on testing using the Black Box Testing method, all features available in the system operate according to the predetermined functionality specifications. Login features, product management, stock management, sales transactions, Transaction History, Sales Reports, and FEFO Method Implementation all produce valid and expected outputs.
4. FEFO Method Implementation in the system helps make the product inventory control process more effective, thereby minimizing the risk of products exceeding the expiration date and supporting more organized stock management at Slay Bakehome.

5.2 Recommendations

Based on the conclusions and limitations during the research process, the following are some recommendations that can be used as references for system development in future research:

1. The system can be developed by adding an automatic notification feature that alerts users when a product approaches its expiration date. This feature is expected to enable management to take preventive actions more quickly before the product exceeds its consumption suitability limit.

2. The system can be developed in the form of a mobile application to be considered to provide easy access for users to monitor stock conditions and conduct transactions anytime and from anywhere.
3. Future research can combine the FEFO method with other inventory control methods to produce a more comprehensive stock management system and support more optimal decision-making.
4. The reporting feature in the system can be further developed by adding report export capabilities in various formats, such as PDF and Microsoft Excel, to facilitate the documentation, archiving, and delivery of sales data reports to relevant parties.