

# Chapter III: Conclusion and Recommendation

## 1. Summary

This project focused on the design and development of a Point of Sale (POS) system tailored for café management. Using Agile methodology, the development proceeded through iterative phases, including requirement analysis, modular planning, UI/UX design, backend implementation, and testing. The system streamlines order processing, automates billing, and generates sales reports through a user-friendly interface. Technologies like React.js, Node.js, and MySQL were used to ensure scalability, responsiveness, and ease of maintenance. The project addressed the practical needs of café operations while maintaining simplicity for end-users.

---

## 2. Conclusion

The developed POS system effectively meets the core requirements of small to medium-sized cafés by simplifying transactions, providing a structured admin panel, and automating billing. The system proved functionally sound through testing and user feedback, demonstrating reliable performance, ease of use, and clear reporting functionalities. Although limited to single-device usage, the system lays a solid foundation for future enhancements.

---

## 3. Recommendation

To further improve the system, the following recommendations are proposed:

- Integrate real receipt printers and barcode scanners for full hardware functionality.
- Extend multi-user access and real-time inventory updates across multiple terminals.
- Implement data analytics features to offer sales trends and customer insights.
- Develop mobile or tablet support to enhance portability and counter space efficiency.