

Client Name: Synergreen

Current System: Inventory Management System Client Request Synergreen has expressed a desire to improve their existing inventory management system. The client aims to enhance operational efficiency, gain better visibility into inventory processes, and support more informed decision-making. Proposed Solution To address the client's needs, we propose the integration of an advanced Dashboard Tracking System into the current inventory management framework. Key Features of the Proposed Dashboard and Tracking

System Real-Time Data Visualization: Displays current stock levels, order statuses, and turnover rates in an easy-to-understand format.

Advanced Tracking Capabilities: Integrates real-time tracking of a newly shipped products to distribute in other branches of Synergreen.

Automated Reporting: Generates reports automatically to provide insights into inventory trends and performance metrics, reducing manual work.

Alerts and Notifications: Sends automated alerts for low stock levels, ensuring timely reordering and minimizing the risk of stockouts.

Supporting Ideas:

Research highlights the benefits of integrating dashboard and tracking systems in inventory management. According to Alfeno, S., Rifai, D., & Saepudin, M. (2019). The study's result is that the production section and warehouse can monitor raw material inventories and production performance in real time with the help of the dashboard application. This web application offers information on raw materials for shoe components, office equipment, production tools, general equipment, inventory planning, suggestions, reports on transactions, and requests for raw materials in an easy, quick, simple, and interactive manner. Inventory management is vital in the industry because it allows manufacturers and wholesalers to efficiently store and manage information in the warehouse. Warehouse management provides the facility to control functions such as storing newly shipped products in available locations and tracking inventory information and product distribution for shipping. Rana, M. E., Shanmugam, K., & Hang, C. Y. (2023).

References:

<https://att.aptisi.or.id/index.php/att/article/view/46>

https://www.researchgate.net/publication/380782717_Recommendations_for_Implementing_an_IoT_based_Inventory_Tracking_and_Monitoring_System