

## ABSTRACT

With the increasing need for efficient gas and water distribution in Indonesia, this final project develops the "E-Pangkalan" application as a solution to overcome inefficiencies in the management and distribution of these resources. The distribution pattern involves agents delivering to bases, then bases to shops, and finally shops to the community. This application is designed to facilitate the ordering process, delivery monitoring, and bookkeeping digitally, allowing owners, admins, and customers to manage their operations more effectively. Through testing, E-Pangkalan demonstrated significant improvements in the speed and accuracy of ordering and reporting, with notable reductions in data errors and delivery wait times. These results confirm the application's potential in supporting business decisions and increasing customer satisfaction. This application promises a digital transformation that will enhance operational efficiency in gas and water distribution at the base.

**Keywords:** *Management base, Distribution efficiency, Resource Management Application, Digital ordering, Automated bookkeeping. digital ordering, automated bookkeeping.*