A New Method for ERP Implementation Based on Business Function Analysis and Identification of Vocational Business Enterprises (BUMDes) in Toba

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*Abstract*--- BUMDes is a business entity and unit that the whole or most of the capital is owned by the village by involving directly and comes from the village wealth that has been separated. In Toba Regency, there are 102 BUMDes with 131 units engaged in 6 business sectors, 25 units engaged in social issues, 9 units moving in the field of brokering, 11 units engaged in rental, 65 units engaged in trade, 20 units engaged in finance, and 1 unit engaged in holding. BUMDes are classified as Micro, Small and Medium Enterprises (MSMEs). To increase market share and enhance MSME competitiveness, MSMEs need support such as an application that can integrate all MSME business processes. The application system is Enterprise Resource Planning (ERP). ERP is a corporate resource planning system that aims to integrate the entire business process of the company. Through ERP, companies can also increase the visibility of the work of organizations so as to enable companies to make decisions at a managerial level that is better and more effective. This study conducted a literature study to produce 3 ERP Open Source most commonly applied to BUMDes, namely Odoo, Adempiere, and Dolibarr and 7 modules that are often implemented in implementing ERP on MSMEs namely Invoicing, Sales, Purchase, Manufacturing, Inventory, CRM, and HRM. This research produces ERP, Functional Area, Business Function, and Data used in ERP implementation and implementation guidance documents in accordance with the ERP and Functional Area produced.

Keywords---ERP, BUMDes, Functional Area, Business Function, Data