ABSTRACT

Anugrah Manunggal *Metal Casting is a company engaged in the manufacture of goods by metal casting. The data management system and ordering of goods at* Anugrah Manunggal *Metal Casting are still conventional, the dissemination of information or promotion of goods is carried out by utilizing social media, namely Facebook and WhatsApp stories. Therefore a web-based application is proposed that will make it easier for* Anugrah Manunggal *Metal Casting parties and buyers, because the proposed application has a feature to help* Anugrah Manunggal *Metal Casting employees in managing goods and orders, as well as promoting goods produced with complete descriptions . There are also features that can help buyers to order goods and fill out order forms online, as well as other supporting features that can support the smoothness and ease of transactions so that the user experience in using the proposed application will be helped. This application is made using the waterfall method, the steps for the processing method are analysis by conducting interviews and questionnaires. The design stage is to carry out system design using ERD (Entity Relationship Diagram) such as use cases and use case scenarios using yED software tools and StarUML software. Furthermore, the implementation stage, namely the proposed application will be made using the PHP programming language with a code igniter framework and using the MySQL database. The system testing stage is carried out on the aspect of functionality to users, namely* Anugrah Manunggal *Metal Casting employees and buyers.*

Keywords: Metal casting, order, management.