

## **ABSTRACT**

*Elextra 4D is one of the micro, small and medium enterprises (UMKM) which is engaged in the production and sale of 4D clothes with adult sizes and children's clothes sizes which have the advantage that when scanned using an application it can display moving 4D animations. The system applied to the Elextra 4D UMKM is still classified as conventional, because it is considered less effective in processing all activities related to this UMKM. The problem that is currently happening to the Elextra 4D UMKM is that they are still doing the buying and selling business by distributing brochures and selling products only around UMKM, if buyers want to buy an item they must come directly to Elextra 4D UMKM. This is what causes the market reach to be less than optimal.*

*For that, UMKM Elextra 4D needs a Website-based Online Clothing Sales Information System that can sell products for online sales media and make it easier for UMKM to process sales transaction data and product stocks and customers can get information about the desired product details.*

*In designing this information system using the waterfall method. Waterfall method was chosen because it has a sequential pattern so that it will facilitate the system design. Website-based Online Clothing Sales Information System with the Waterfall method applies five phases or stages, namely the communication, planning, modeling, construction and deployment phases.*

*With the existence of a web-based information system that is integrated and designed using the Waterfall method, it is hoped that it can provide convenience and overcome problems that occur in processing data on clothes sales transactions at Elextra 4D UMKM*

*Keywords: Information system, Website, Waterfall Method, Online*