

## **ABSTRACT**

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*Aalimatu Konveksi is a company engaged in manufacturing by producing clothes. Ordering by the customer becomes the company's benchmark in determining production needs. So far, the company has not planned the material needs that will be used which makes sometimes there is a buildup of materials and unavailability of material in the warehouse that makes the production process hampered. With the unavailability of materials in the warehouse, the company needs to purchase materials to support the production process, Aalimatu Konveksi itself has not considered the lead time for materials to the warehouse which makes the production process hampered and cannot predict when production will be completed due to unavailability of materials. To overcome this problem, a web-based application can be made that can handle the procurement of material inventory by considering the time of ordering raw materials using the Material Requirement Planning (MRP) method. The development process uses a prototype method (prototyping model). Using Codeigniter Framework programming language with Hypertext Preprocessor (PHP) script language*

*Keywords: Material Requirement Planning*