ABSTRACT

CV Wave Sport Apparel is a company that manufactures sportswear, commonly referred to as jerseys. Based on production data, the defect rate in jersey products frequently exceeds the company's established tolerance limit of 10%. One of the problematic processes is the cutting of garment patterns, due to process performance not meeting the required standards, resulting in outputs that do not comply with company specifications. After analyzing the root cause of the unmet process requirements, it was found that a contributing factor is the shifting of fabric during the cutting process. To improve the problematic fabric cutting process and reduce the frequency of defects, a cutting table was designed using the Reverse Engineering method. Reverse Engineering is a product development method in which an existing product is used as a reference to design a new one, similar product with a different working mechanism to meet user needs.

Keywords– ***Jersey***, ***Cutting of Garment Patterns***, ***Reverse Engineering***, ***Cutting Table***