

## **ABSTRACT**

### ***THE DEVELOPMENT OF BLOCK PRINTING TECHNIQUES USING 3D PRINTING TECHNOLOGY AS AN ALTERNATIVE FOR PRINTING PLATE***

**SALSABILA ADINI**

**NIM: 1605164147 (Program Studi Kriya Tekstil)**

*Block printing technique is one of the printing techniques on textiles which is done by placing a printing plate with wood or copper block material that has been carved with motifs and coated with ink repeatedly on textile printing media. The development of block printing techniques on textiles that is mostly use the various of alternative materials as printing plates with block printing techniques. One form of development for block printing plate material is by utilizing technology in the process of making printing plates. The technology that can be used to manufacture block printing plates is 3D printing technology. 3D printing technology is a combination of several materials that are carried out under a computer and produce three dimensional objects that have solid characteristics, durable, achieve maximum detail, and fast processing time. In the craft industry, there has not been much use of 3D printing technology, including the use of 3D printing techniques in block printing technique applications. This study aims to develop block printing plates using alternative materials that utilize the development of 3D printing technology. The method used in this research is a qualitative method by data collecting using literature in the form of books and scientific journals, online observations and interviews with 3D printing entrepreneur, and experiments on making block printing plates and their applications on fabrics. This research produces block printing plates made of 3D printing techniques and produces visual novelty by producing 3D printing characteristics that are different from conventional block printing plates on textiles and the application of textiles to fashion products.*

**Keywords:** *Block Printing, 3D printing, Printing Plate*