

ABSTRACT

DEVELOPMENT OF BLOCK PRINTING TECHNIQUE USING ALTERNATIVE MATERIAL 3D PRINTING FOR FASHION PRODUCT DESIGN

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Block printing is a technique that generally use two materials as a printing plate for block printing technique which are wood and metal, Although, using wood and metal are inefficient because the material takes long time to manufacture. This problem creates an opportunity for the author to develop block printing techniques with alternative materials and printing plates, achieving faster process and optimal final results. Along with the times encouraging the rapid advancement of technology and science, from various sources aspects of life amount to the design and textile industry, certainly affected the experience of these developments. Nevertheless, a new technology is created and began to be used widely by the textile industry, that is to be 3D Printing Technology which has the potential to continue to develop as a 3-dimensional printing plate, becoming an alternative printing plate for block printing. Namely, the alternative utilizes 3D Technology Printing as an alternative material to produce new visuals. This research uses the qualitative data method collection, literature study. Several journals and books as initial data are used as sources of preliminary data observation. The author has done observation and interview to acquire technical knowledge and technological developments of 3D printing, Then execute an exploration of the block printing plate with 3D printing technique to find optimal printing results on various amounts textile material sheets. Based on the results of the exploration that has been done, the authors conclude that block printing plate with 3D printing technique can achieve optimal printing results in accordance to the design plan which is then applied to modest wear fashion design products.

Keywords: Block Printing , 3D Printing, printing plate, Modest Wear.