A practical method for dyeing of paper mulberry pulp with the reactive dyestuff was studied. The reactive dyestuff is water-soluble and can be used as dyestuff for cellulose. A Completely Randomized Design (CRD) was used and Procion Yellow MX-3R was chosen as an example of the reactive dyestuff. The results were analyzed both by visual and measurement of $L\ a\ b$ value measurement using a Chroma meter. The results showed that the method for Jig Dyeing Cotton is the most suitable method. The procedure began with mixing of dry pulp and water in the ratio of 1:20, sodium chloride (40 g per 1 litre water) was added, and pH was adjusted to 6.68-7.00 with acetic acid. The mixture was then left at room temperature for an hour. After that, sodium carbonate (15 g per 1 litre water) was added and the mixture was left for further 3 hours. The resulting pulp was washed to remove excess dyestuff and cooked at boiling temperature for another 30 minutes to remove loosely bound dyestuff. At last, the pulp was washed with water to get good quality of color papers.