

## **Measuring Job Strain Index For Batik's Workers**

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### **Abstract (12 font)**

Batik tulis Summersari is a batik industry located in Bondowoso City. Now Batik tulis Summersari employs 60 workers. All processes in Batik tulis Summersari done manually. One of the process in making batik is Mbathik process. Batik process is potentially cause interference in the musculoskeletal system (MSDs). From the result of the research using Nordic body map, it was found that the workers' complaints were upper neck pain and 100% waist pain, upper arm and back pain were 87.5%, and pain in lower neck, left shoulder, right shoulder, upper arm right hand and right hand is 75%. By using strain index to analyze job risk, the result of Manual Pattern Drawing Posture, Posture Drawing Pattern With Ruler, Posture Batik Pattern, Coloring Posture Batik, Posture Coloring Batik Cap and Posture Washing both right hand and left hand classified work is quite dangerous except the posture of the manual drawing pattern for the left hand is quite a safe job.

### **Keywords**

Nordic Body Map, Job Strain Index, Musculoskeletal Disorders, Batik

### **Biographies**

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