

# **Pemanfaatan Automatic Smart Pen Plotter (ASP2) Dalam Mendukung Pelatihan Membatik di Sanggar Batik Astoetik Yogyakarta**

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## **ABSTRACT**

The erosion of the younger generation of the batik tradition has eroded the cultural essence of humanity from our ancestors. Batik has become an important icon in carrying Indonesian identity on the international stage. Sure enough, in October 2009, UNESCO designated Batik as a Cultural Heritage in the context of Masterpieces of the Oral and Intangible Heritage of Humanity. Contradiction of views occurs against the background of the ancient impression of batik culture. Therefore, in the previous year 2021 Yogyakarta State University collaborated with PT PMCT, which is a company in the field of arts and culture equipment, initiated the thought of preserving the culture of batik for the next generation through the latest technological approaches. The process of preservation efforts has resulted in the latest technology product in the form of an Automatic Smart Pen Plotter or abbreviated as ASP2. This technology is a system for printing motifs and batik sketches that run automatically, so it can help batik makers in shortening the time for making basic patterns. Service activities are carried out by developing a batik plotter tool and the application of the tool through training activities in the use of the tool. In addition, demonstration activities were also carried out for the general public. The Automatic Smart Pen Plotter (ASP2) is a development of the Batik Pattern Printer Plotter (P3B) tool that was built by PT PMCT with operational dimensions that are only capable of sketching images in an area of 30x30 cm with the support of the DIKSI Vocational Matching Fund 2021 research fund. The ASP2 smart plotter has the dimensions of the work area are 2000 mm in length, 1500 mm in width and 340 mm in height. In addition to tool development activities, tool operation training was also conducted. The training/workshop activities were carried out in 2 stages. The first stage was training in the use of tools for the instructors of the Batik training program from CV Astoetik. The second training was held for the general public who are batik activists. The training was held for 2 days at the Astoetik Batik Studio. After the instructor has mastered the operation of ASP2, the tool is ready to be applied in the batik training program which is already part of the CV Astoetik program. Training and demonstration of tools for the community is carried out with limited participants of 20 people, this is because it is still in a post-pandemic condition. Training participants are given the freedom to design their own batik patterns, then print the batik patterns using the ASP2 machine. The training activities went smoothly. The training participants were very enthusiastic about participating in this activity, and hope that similar activities can be carried out again next year.

**Kata Kunci:** *Plotter, Batik, Training*