Review of: "Harnessing the Power of Generative Adversarial Networks (GANs) for Novel Batik Designs: An Exploration of Lightweight GANs (LGANs) for Automatic Batik Design"

Manish Jain[1]

1 JECRC University

Potential competing interests: No potential competing interests to declare.

The idea is indeed good. The paper is well-organized and crisp. The solution directly and positively impacts the community associated with the batik industry. Also, it seems to be practically implementable.

Nevertheless, the authors are advised to include a comparison of their proposed methodology with the existing methodologies/publications. The previous work done in this direction should be reviewed, cited, and compared too, for e.g.,

https://ieeexplore.ieee.org/abstract/document/8981834

https://www.researchgate.net/publication/368836621_Generation_of_Batik_Patterns_Using_Generative_Adversarial_Network_with_Content_Loss_Weighting

https://www.semanticscholar.org/paper/BatikGAN%3A-A-Generative-Adversarial-Network-for-Chu-Ko/9d0f69d654b24eb10edc8176d6c79af5a78aa70e

For e.g., in the “Results & Discussion” section, authors have mentioned “the LGAN produced approximately 86.74% of batik or batik-like patterns”. It is imperative to compare this output with the results of the existing work done in this direction.

In a nutshell, qualitative and quantitative evaluations should be provided.