



GREEN BUSINESS KAMPUNG BATIK LAWEYAN (Eco Batik)

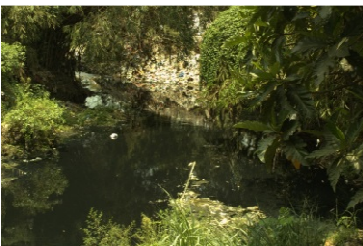
by

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Kampung Batik Laweyan



- Surakarta is famous as a Traditional Batik City
- In 2004, Surakarta city government declared to develop Laweyan as a batik tourism kampong but it had poor environmental conditions due to water pollution caused by chemical dyes, water and energy inefficiency, and waste of wax
- The city promotes natural dyes, however only 23 batik industries use natural dyes out of 90 batik industries
- The use of chemical dyes was still high since the wasteful uses and limited sources of natural dyes
- Need and extra effort to improve environmental quality



Institutional Setting

- a. EPA established Laweyan Batik Forum as organization partner to improve business and environmental condition
- b. Surakarta cooperates with GTZ/GIZ and Clean Batik initiatives

Regulation Framework

- Law No. 32 of 2009 on the Protection and Management of the Environment
- Government Regulation No. 82 of 2001 on Water Quality Management and Water Pollution Control
- Surakarta Mayor Regulation No. 29 of 2010 About Eco Culture City

Re-think

Reduce

Reuse

Recovery

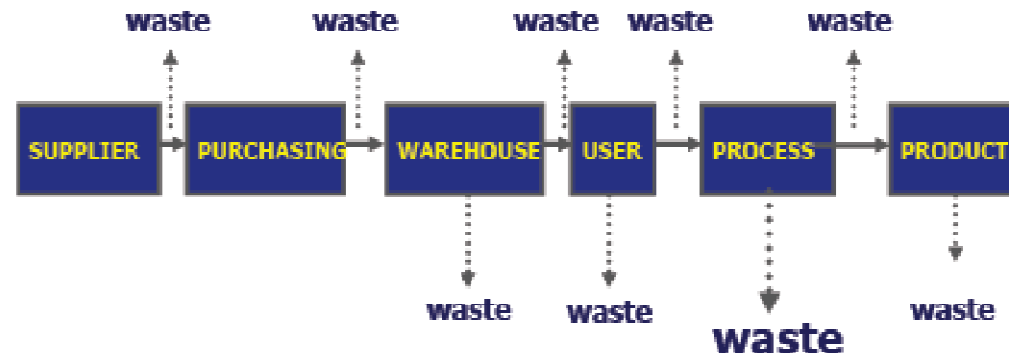
Recycle

*Clean Production Konsep
Source: Clean Batik Initiative*



Approach

- Utilization of natural colors in batik dyeing
- Application of Cleaner Production for SMEs Batik
- Developed a communal WWTP (Wastewater Treatment Plant) for Laweyan Batik Kampong (cooperated with GIZ)
- Planning to develop land for planting the source of natural dyes



Source: Clean Batik Initiative





Output

- Efficient use of water, energy, chemical dyes, wax, and raw materials. Reduction of waste
- Improvement of product quality. Batik products with natural dyes comply to SNI (Indonesian National Standardization)
- Environmental improvement such as water and working conditions
- Improvement of business from heritage tourism activities





Lessons

Batik industry which is identical with wastes can be transferred into eco-friendly industry through cleaner production and change from batik chemical dyes to natural dyes and equipped with instalation of WWTP

Improvement of product, working condition and environment may lead improvement of productivity and business





Transfer

- Eco Batik concept is not only can be used in the batik industry, but can also be used in the other textile industry.
- Lesson learns are documented in the guideline and good practices video
- Prepared human resources who understand the concept of eco production
- Public awareness are also necessary to sustainof the program
- Option or alternative measure should be a guarantee i.e the availability of the natural dyes, market of natural batik



afrinaldi zulhan | photography

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Thank you