



TALLINNA TEHNIKAÜLIKOOL
TALLINN UNIVERSITY OF TECHNOLOGY

Faculty Of Civil Engineering
Department Of Environmental Engineering

UPCYCLING THE GARMENT SOLID WASTE IN BANGLADESH

UPCYCLING KONTSEPTSIOONI RAKENDAMINE BANGLADESHI
RÕIVATÖÖSTUSE TAHKETE JÄÄTMETE KÄITLUSES

MASTER THESIS

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Student Mohammad Hemel Bhuiya

Student code a144958

Supervisor Kristjan Piirimäe

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Abstract

In Bangladesh textile and garment businesses are growing at a high rate, as global demand for clothing rises fast. This clothing industry affords the socio-economic growth rapidly in Bangladesh. Massive production of textile and clothing generate a huge amount of solid waste and causing a lack of raw materials. Many environmental degradations and losing financial gain are also in prime concern in Bangladesh due to unsustainable garment industries solid waste management. Upcycling the garment solid waste in Bangladesh is a possible sustainable solution to this problem. Upcycling is a creative and sustainable way where waste is reused to make a new product. The topic of “Upcycling the garment solid waste in Bangladesh” has not discussed and studied on a modest scale up to now. This study intends to provide an extensive analysis of the garment solid waste management system in Bangladesh and finding the penetrating power of upcycling as a sustainable alternative waste management tool.

Update theoretical data has been described through introductory chapter followed by the chapters textile waste and garment industry in Bangladesh. This theoretical part of the study that covers the impacts of fast fashion, different types of garments solid waste sources and solid waste management systems including upcycling. An online survey carried out among the random garment industries from Bangladesh about their current solid waste management system, the perspective of upcycling and barriers to start upcycling. The author analyses the data retrieved from the survey result submitted by different garment factories from Bangladesh. Although there have some barriers to apply upcycling, still respondents positive attitude towards upcycling indicates its potentiality as a sustainable waste management tool in the Bangladeshi clothing sector.