Finally, was achieved our challenge was achieved by reusing leather factory wastewater.

two steps were used to make the water cleaner than before to be used again in the process.

The first is using centrifugation by applying a motor van to decrease insoluble

materials in water. The second is the adsorption property of corn cob to remove the

soluble matters in water.

successfully, our prototype achieved the challenge and meets the design

requirements. the first requirement is to measure the PH and TDS of the water

before and after modifying the process. and the second requirement is the

environmental impact. According to the results from our test to the prototype, it

succeeds in achieving the design requirements. As the Ph of the final sample of

water was 7.5 and the TDS was 2170 ml/L. so it was a very satisfactory result that

helped us to reuse that water in the same process again.

Also, the project has an important impact on the environment as it reduces the

water pollution that comes from the leather industry by modifying the soaking process to

manage water pollution. Also, it reduces the water consumption as it reuses the

water again more time.