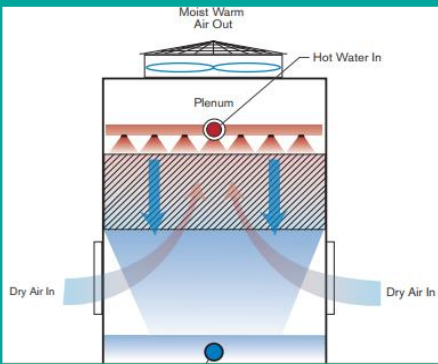


# DESIGN AND PERFORMANCE ANALYSIS OF COOLING TOWER

INVENTOR: AZIZUL HAFIZ BIN ABDULLAH  
FACULTY: CIVIL ENGINEERING TECHNOLOGY  
UNIVERSITY: UNIVERSITI MALAYSIA PAHANG  
EMAIL: zyzool@live.com  
CO-INVENTORS: MUHAMMAD NAJAMUDDIN BIN SELAMAT, DR. NADZIRAH BTE MOHD MOKHTAR



## INTRODUCTION



Cooling towers are widely used to dissipate process waste heat into the atmosphere.

Based on the direct contact of two of the earth's most common substances: **air and water**

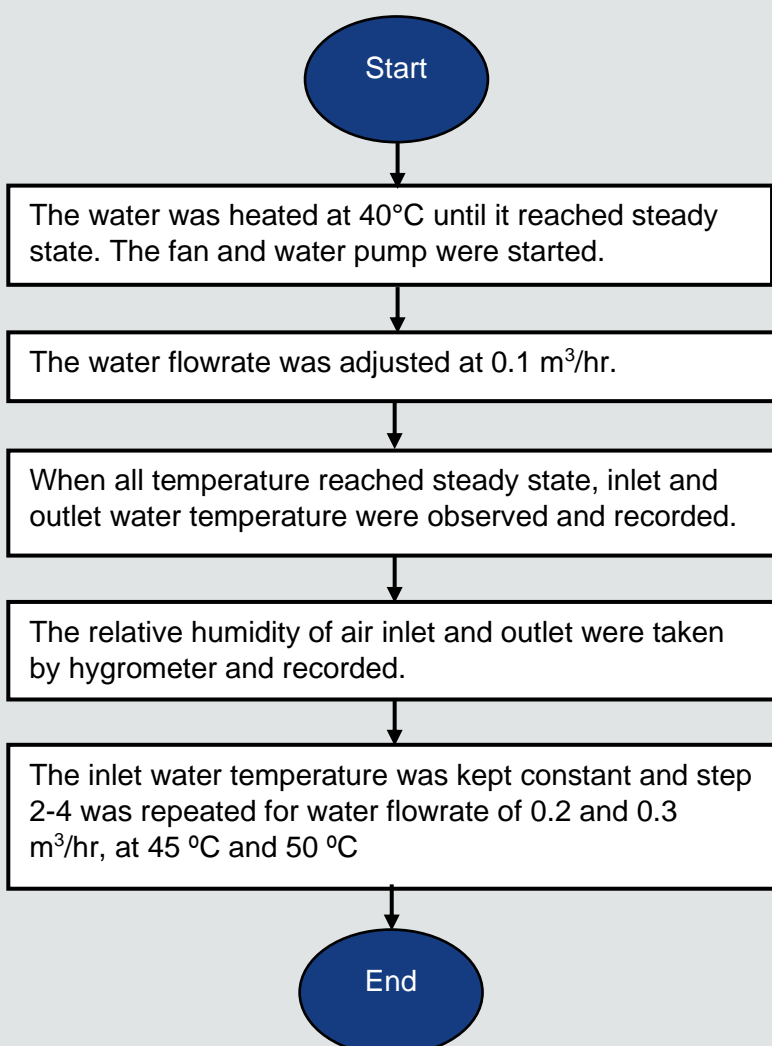
## OBJECTIVES

- To design and fabricate of induced draft counterflow cooling tower using splash type fill.
- To determine the performance of cooling tower by using different inlet water flowrate and temperature.

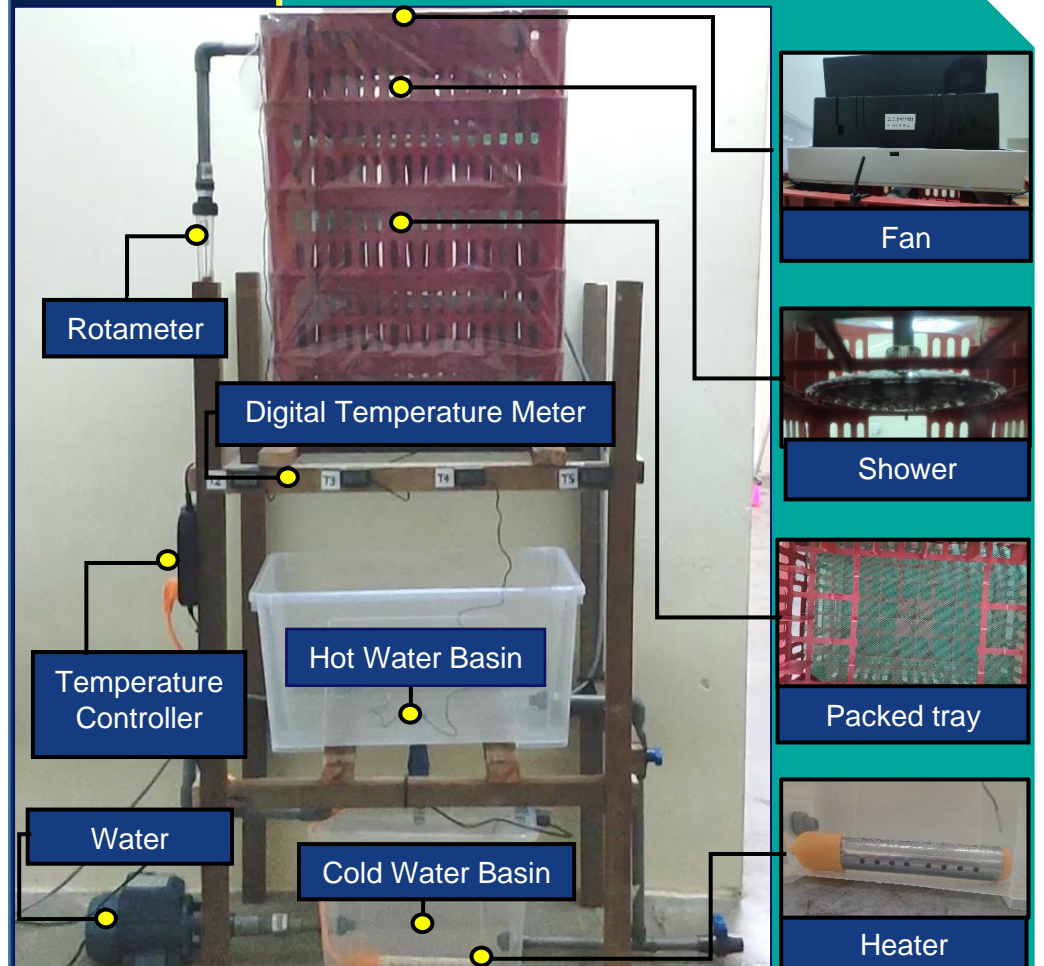
## BENEFITS

- Applicable as a educational kit
- Easy to operate and maintain
- Provide a cheaper and affordable, yet functional and reliable design.

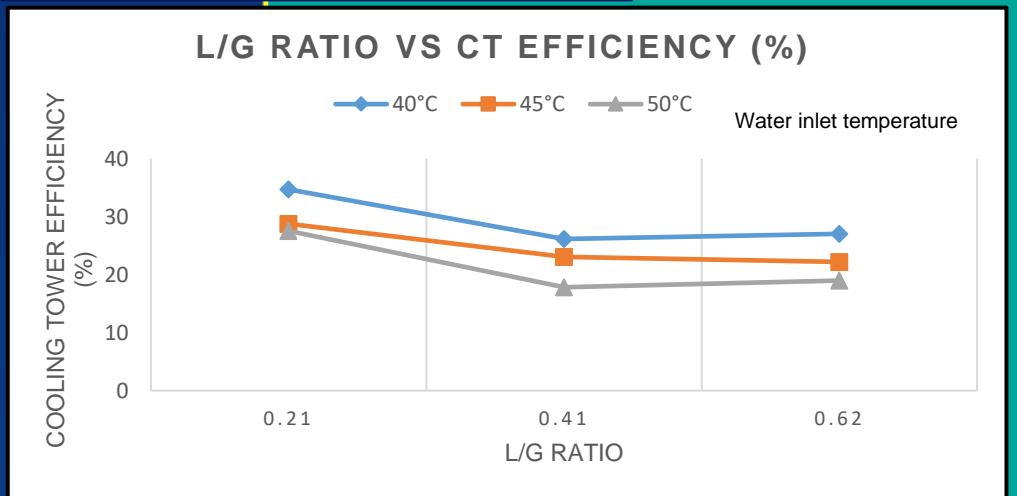
## METHOD



## PRODUCT FEATURES



## RESULT



## MARKETABILITY

Cooling Towers market is expected to reach \$5.1 Billion by 2026 at a CAGR of 5.6% during the forecast period 2021-2026. (source: www.industryarc.com)

Market Survey

Market Potential

School

University

Related training courses

## ACKNOWLEDGEMENT

### PROJECT ADVISOR

Name: Dr. Nadzirah bte Mohd Mokhtar  
Contact no: +609-5492320  
Email: nadzirah@ump.edu.my

