



CommTECH Course 2020 Online Edition

Course Title : Combating plastic waste through Zero Waste Stores (ZWS): Does it work?

Instructor Coordinator : Assoc. Prof. Dr. Maria Anityasari, S.T., ME

Dates : 18, 21, 25, 28 November 2020; 2, 5, 9, 12, 16, 19, 23 December 2020

Allocated Time : 3 hours per day for courses & fun language & cultural activities

Synopsis

Plastic waste has caused many health and environmental problems all over the world. Almost every country has enforced regulations and action programs to reduce the use of plastics in daily life. One of those efforts is promoting stores that remove packaging from end customers, which is commonly known as *Zero-Waste Stores*. In these stores, customers are encouraged to bring containers to take their products home.

In this CommTECH Course 2020 Online Edition, participants will learn the business process of Zero Waste Stores (ZWS) in different countries and explore the implementation of ZWS in their own country. Furthermore, participants will learn to measure people's willingness to shop in ZWS and model the people behaviour toward shopping in ZWS.

This course is designed for undergraduate students from various fields. Through the participation in this program, participants will have new knowledge, new skills, and great opportunities to develop cross-cultural interactions with participants from different countries. Participants will work in a group to have hands-on experiences including conducting survey, generating ideas, analysing the ideas, and modelling customer behaviour toward ZWS. In addition to that, participants will have opportunities to experience different cultures in the fun activities designed especially for online learning.

Schedule & Detailed of Sessions

Day 1 (Wednesday)

Courses:

- Introduction & Overview of the Program
- Plastic Problems Worldwide
- Plastic Problems in Indonesia: Real Facts from the Field (Speaker: CEO of ECOTON)
- Worksheet 1: Scrutinizing Plastic Problems in Your Country

Day 2 (Saturday)

Language & Cultural Activities:

- Fun Indonesian Language
- Campus Tour

Day 3 (Wednesday)

Courses:

- Think Loudly (Discussion of Worksheet 1)
- Zero Waste Store Initiatives Worldwide
- Zero Waste Store Initiatives in Indonesia

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- Worksheet 2: Finding Zero Waste Store Initiatives in Your Country

Day 4 (Saturday)

Language & Cultural Activities:

- Traditional Dance
- City Tour

Day 5 (Wednesday)

Courses:

- Think Loudly (Discussion of Worksheet 2)
- People Willingness to Shop in Zero Waste Stores
- Basic Statistical Analysis
- Worksheet 3: Developing Ideas & Hypothesis

Day 6 (Saturday)

Courses:

- Think Loudly (Discussion of Worksheet 3)
- Survey Design
- Designing Questionnaire
- Worksheet 4: Designing an Online Survey

Day 7 (Wednesday)

Courses:

- Think Loudly (Discussion of Worksheet 4)
- Introduction to Agent based Modeling
- Group Task 1: Data Collection

Day 8 (Saturday)

Language & Cultural Activities:

- Indonesian Martial Arts
- Indonesia Updates

Day 9 (Wednesday)

Courses:

- Data Analysis
- Modeling and Programming using Agent based Modeling
- Group Task 2: Data Analysis & Modelling

Day 10 (Saturday)

Courses:

- Review of Group Task
- Programming Tips

Day 11 (Wednesday)

Courses:

- Presentation & Feedbacks
- Reflection
- Awarding & Closing

