

CHAPTER VI

CONCLUSION AND SUGGESTION

6.1. Conclusion

Based on the Theory of Constraints, result of discussion and referring to the problem formulation of the research, there are several results which can be concluded as follows:

1. From developing the Current Reality Tree, this study found that there are five root causes that make contribution of emission from industry and hampering industry from achieving SDG 13 targets. The root causes are: lack implementation of green growth and sustainability development policies, dependency of industry towards fossil fuel is still the major cause of high emission of industry, insufficient integrated policy model to assess the 3E dimension of material efficiency strategy, environment impact assessment method still expensive for SME and consumer demand are becoming a more important contributor for the generation of CO₂ due to the indirect impact for product and services.
2. From developing the Evaporating Clouds, this study proposes some alternative solutions for industry to reduce emission so it can achieve SDG 13 targets. The alternative solution are; for green growth and sustainability development policies fully supported, the solution are stakeholder set suitable policy frameworks and provide needed infrastructure supporting green growth and sustainability development with injection of giving people information and knowledge about the importance of green growth and sustainability development in mitigation of climate change; for industry to enable the dependency towards renewable and green energy,

the solutions are to support the development of clean renewable energy technology and to support the stakeholder in regulating the allowed fossil quota limit for industry to be used with injection of inquiring industry to learn the importance of implementation energy efficiency for industry in reducing emission; for stakeholder to enact policy model that supporting the material efficiency strategies, the solution are: the collaboration between stakeholder of industry and NGO to formulate policy model and to supervise and inspect the material efficiency policy standard procedure with injection of encouraging discussion from each side to determine the best option; for accommodating an affordable environment impact assessment for small medium enterprise, the solution are: to recommend alternative option for environment impact assessment and make stake holder in this term the government to subsidize the cost of environmental assessment for SME with the injection of implementing Life Cycle Engineering method in environment assessment for SME; for controlling consumer demand and consumption pattern the solution are promoting the reduce, reuse, and recycle lifestyle campaign for costumer and encourage consumer to use ecofriendly product with injection of voicing the consumer concern on environment awareness

3. From Islamic Perspective, as mentioned in Al-Quran surah *Ar-Rum* verse 41, by using interpretation from several tafsir experts such as, tafsir Al- Mu'tabar, Tafsir Quraish Shihab, and tafsir Ibn Kathir, climate change and the disaster it brings, might be the punishment from Allah. Because of the greedy activity from industry in extraction and production without considering the effect toward the world. In order for industry to keep doing corruption towards the earth, the solution from this study could be used. First by letting industry to shift toward renewable energy, and second is for industry to work together with government to educate people, especially the target consumer to change consumer consumption behavior by introducing and give awareness about sustainable consumption.

6.2. Future Research

In order to get better result from this study and for industry to achieve SDG 13 targets and reduce its emission contribution, there are some recommendation explained as below:

1. In term of research scope, this study discusses about reducing emission produced from industry focused on emission efficiency strategy. For future research it can be expanded using other strategies as such energy efficiency, product and service reduction strategies.
2. On using Theory of Constraints, it is recommended to add other logic trees such as Negative Branch Reservation, Prerequisite Tree / IO Map, Transition Tree, and Strategy & Tactics Tree.
3. This research still relies on assumption when determining the alternative solution in Evaporating Clouds. For future research, it is recommended to determine fixed criteria and to use decision making tools and methods, so it will produce better alternative to suggest.