

CHAPTER IV

CONCLUSION

4.1 Conclusion

This research has successfully uncovered the important role of the British energy private sector notably INEOS Group in helping His Majesty's Government in its effort to achieve long-term energy security by utilizing concepts of energy security and sustainable energy. In the 4 A's of energy security including *Availability, Affordability, Accessibility, and Acceptability*, fossil fuels have been deemed no longer relevant to be relied upon in maintaining energy security due to the energy velocity state of depletions, prices, and environmental impact. Therefore, immediate turn and transformation into renewable and sustainable energy need to be forced instantly. Within the concept of Sustainable Energy Development, private sectors in this case INEOS are vital to help the government achieve faster transformation and to fulfil the pillars that support energy security according to this concept. The private sector's role is to Increase alternative fuel usage, familiarity, and Energy Transformations; Enhancing Energy Efficiency; and Reducing Emissions of Greenhouse gases and Air Pollutants. Through the Energy Act 2023, the government has given its unwavering support towards the advancement of the Clean Hydrogen Business in which INEOS plans to become the leader in this type of sustainable energy. Those efforts will help to achieve the *availability, accessibility, affordability, and acceptability* of renewable and

sustainable energy.

4.2 Recommendations

This research has successfully managed to uncover the private sector's role in helping His Majesty's government by becoming the leader in energy transformation towards renewable energy from fossil fuels, this helps the country to achieve the state of energy security which consists of 4 A's of *Availability, Accessibility, Affordability, and Acceptability*. However, there are many topics surrounding the questions that have not been resolved by only this research. There are several recommendations for further research, especially research on the compliance of British energy private sectors with the standards that have been set by the government of the United Kingdom. In addition to that, it is equally important to see the progress of energy transitions made by the British Private Sector in relation to how the United Kingdom pledges in the international community.