Project A: Fuel Cell

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# Introduction

With the explode in electric car, the global interest are shifting forward the energy which is clean and sustainable to power these vehicle. One of the main energy sources, which has been developed lately is fuel cell. Not only being adaptable to multiple requirements of the energy system, fuel cell is suitable for the electric vehicle due to its high density of power. Another advantages, which makes fuel cell outstanding other energy source, is the clean of its. Unlike the old fuel, gas, the fuel cell’s product are water, heat and electricity. This result contributes in the solution for reducing pollution world. This project aims to explore, understand and experiment the fuel cell in the lab in the Karlsruhe University of Applied Science. Based on this lab, the knowledge and behavior of the fuel cell can be viewed and estimated, especially the behavior of the 10-year-old fuel cell.

# Theoritical part

## Overview fuel Cell

## PEM Fuel Cell

## Hydrogen

# Experiment

## Measurement of exp 1

### Description of experiment

### Results – diagram, table, graphics

### 3.1.3. Discussion of results

## Measurement of exp 1

### Description of experiment

### Results – diagram, table, graphics

### Discussion of results

## Measurement of exp 3

### Description of experiment

### Results – diagram, table, graphics

### 3.1.3. Discussion of results

# Summary and Outlook

# References

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