



Abstract

The transportation industry plays a substantial role in worldwide energy consumption and the release of greenhouse gases, with road transportation being a major contributor. In response to this problem, governments worldwide are enacting strict emissions rules, with a focus on promoting the use of electric vehicles (EVs). Although Brunei Darussalam has a high GDP per capita and a significant number of cars, the adoption of fuel-efficient technologies in its land transport sector has been limited. Primary barriers encompass inadequate public charging infrastructure, high ownership expenses, safety apprehensions, restricted driving range, and difficulties in operation and maintenance.

The objective of Brunei's National Climate Change Policy (BNCCP) is to achieve a 60% share of electric vehicles (EVs) in the total number of vehicles sold annually by the year 2035. Nevertheless, the sluggish adoption of electric vehicles (EVs) underscores the necessity for a thorough examination of obstacles and tactics to enhance the efficacy of policies. This paper explores the process of electrifying Brunei's transportation sector by analysing the approaches taken by well-established markets such as Norway and China, as well as the techniques employed by ASEAN countries. This study will utilise theoretical concepts of Policy Mixes and Creative Destruction, linked with Socio-Technical Systems and Techno-Innovation System within the Multi-Level Perspective (MLP) paradigm.

The main research inquiries revolve around the insights that Brunei can get from other ASEAN countries and how they can be customised to suit the local context. In addition, the study assesses the efficacy of existing governmental policies in Brunei in comparison to other EV markets in the region and globally. The goals encompass the identification of obstacles in the transition to electric vehicles, the analysis of current regulations, and the formulation of practical proposals for a sustainable transportation system in Brunei Darussalam.