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TOYOTA SUPPORTS INDONESIAN MINISTRY OF INDUSTRY IN VEHICLE ELECTRIFICATION



Jakarta - The efforts to develop the electrification vehicle industry continuously conducted by the Ministry of Industry Republic of Indonesia (Ministry of Industry). As a commitment to be part of the development of the national automotive industry, Toyota Indonesia, represented by PT. Toyota Motor Manufacturing Indonesia (TMMIN) and PT. Toyota-Astra Motor (TAM) together with 6 (six) universities in Indonesia, today (4/7) participated in the success of the Ministry of Industry's program which is marked by the *kick-off* ceremony of Research and Comprehensive Study of the Electrification Vehicle which held in Ministry of Industry Building RI.

The *kick-off* event of Electrification Vehicle Research and Comprehensive Study was attended by Minister of Industry Airlangga Hartarto, Director General of Research Strengthening and Development of the Ministry of Research, Technology and Higher Education, Dr. Ir. Muhammad Dimiyati, Rectors and representatives from 6 Universities, Managing Officer of Toyota Motor Corporation (TMC), Tatsuro Takami, President Director of TAM Yoshihiro Nakata, and TMMIN President Director Warih Andang Tjahjono and a number of Toyota Indonesia directors and management.

Research and Comprehensive Study of Vehicles Electrification is an effort to comprehend more comprehensively the aspects affecting the development of electrification vehicles in Indonesia,

especially regarding consumer preferences, industry including supply chain and supporting infrastructure needs. Researchers from three universities in Indonesia, UI, ITB, UGM in the first phase will use 12 units of electrification vehicles and 6 units of conventional vehicles provided by Toyota Indonesia to study technical aspects such as mileage, emissions, infrastructure, and customer convenience through data tracking in daily use of the cars in three major cities of Indonesia: Jakarta, Bandung, and Yogyakarta for a period of 3 months. In the next stage researchers from UNS, ITS and Udayana will also conduct the same series of studies with the aim that the data obtained more diverse and comprehensive. Later, the collected data will be analyzed and summarized to be a reference for the Ministry of Industry RI. Other than that, the study will also observing the industry supply chains including the need for employment.

"We would like to thank the Ministry of Industry for giving Toyota a chance to participate in the study of electrification vehicle development in Indonesia. In this research we provide support in the form of providing tools such as vehicles, data loggers, chargers, and other assistance that can be used by researchers from universities in Indonesia. We hope our support can help mapping the condition and real needs of customers, including the readiness and challenges in developing industries and infrastructure of electrification vehicles in Indonesia as directed by the Ministry of Industry," said TMMIN President Director Warih Andang Tjahjono.

18 units of vehicles provided by Toyota Indonesia consist of 6 units of Toyota Prius, 6 units of Toyota Prius Prime (Plug-in Hybrid), and 6 units Corolla Altis. Toyota Indonesia also built 6 units of 2 level charging stations (4 hours charging, 3,500 watts) and also providing technical assistance in the activities of Comprehensive Vehicle Research and Study.

Toyota has a strong commitment to take an active role in supporting the government's program to reduce CO2 emissions by 29 percent by 2030 and to maintain energy security and dependence of fuel imports especially in the land transportation sector. The study of electrification vehicle development is expected to be one of the real steps to realize the success of the government program.

"We are very pleased to participate in this activity. We hope that this comprehensive study will help in improving public awareness of electrification vehicle technology as well as improving the readiness of human resources, especially local engineers to prepare for a new era of Indonesia-oriented automotive industry high technology and environmentally friendly oriented," said TAM President Director Yoshihiro Nakata.

Various option of electrification technologies developed by Toyota are aimed to provide the best comfort for Toyota consumers everywhere so that electrification vehicles are easily accepted and thus growing in popularity.