

The Role of Railway Industry in Indonesia's Economic Growth

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Abstract

Railway transportation has certain characteristics and advantages, especially in its ability to transport both passengers and goods in bulk, saving energy, saving space, and using space. high safety factors, low pollution levels or more environmentally friendly and more efficient than road transportation modes. The advantages and characteristics of railways need to be utilized in an effort to develop an integrated transportation system. Therefore, the implementation which starts from planning, construction, business, maintenance, inspection and testing, and its operation needs to be managed as well as possible to be able to improve the provision of rail transportation services for the mobility of people and goods safely, comfortably, quickly, precisely, regularly at a cost affordable to the community. The construction of railway infrastructure and facilities both for passenger and freight transportation in Indonesia in the last five years had been prioritized by the Government of Indonesia. Railway development consist of the construction of Trans Sumatra, Trans Sulawesi, double tracking lines on Java and urban transportation (MRT, LRT). To anticipate the needs of railway infrastructure and facilities, supporting industries have also been developed, namely PT. INKA as a manufacturer of rolling stocks, PT. LEN as a signaling manufacturer, various railroad contractors. The development of the railway industry has a positive impact on the development of its supporting industries which can be seen from the employment opportunities, people's income and can be reflected in the Gross Domestic Product (GDP).

Keywords: Railway transportation, Railway infrastructure, Rolling Stocks

Biography

Hermanto Dwiatmoko, is a Lecturer in Faculty of Engineering, University of Mercu Buana Jakarta Indonesia. Hermanto Dwiatmoko holds a Bachelor of Mechanical Engineering and Master of Transportation in Institut Teknologi Bandung (ITB) and Doctor of Applied Economics in University of Padjadjaran, Bandung Indonesia. He also received Senior Professional Engineer (IPU) Certificate from The Institution of Engineers Indonesia (PII) and Asean Engineer Registered from ASEAN Federation of Engineering Organization (AFEO). After finishing school at ITB in 1980, his career began with working at the Indonesia State Railway Company, which continued to work in the government office, the Ministry of Transportation. His top position is the Director General of Railways which was held until 2016. After completing the assignment as Director General of Railways, he is currently concentrating more on the development of Railway Human Resources (HR), among others, as a Lecturer at the Faculty of Engineering at the University of Mercu Buana Jakarta, Collage of Land Transportation STTD and Indonesia Railway Academy. Indonesia (API) and several universities in Indonesia. He also now Chairman of the Indonesian Railway Society (MASKA) and Chairman of the Railway Technology Cluster Chapter The Institution of Engineers Indonesia, (BKHTP)