

ABSTRACT

RESEARCH ON DIGITAL TRANSFORMATION TECHNOLOGY 4.0 IN THE MANUFACTURING INDUSTRY

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PT Stechoq Robotika Indonesia (Stechoq) is an R&D company that focuses on developing innovative robotics technology products and Industrial IoT 4.0 PT. Stechoq Robotics Indonesia was founded in 2015 by Mr. Malik Khidir. The office of this company was originally in Kranyak. At first, this company was engaged in technology with the realm of the military field. However, the military field is only used as research. Then in the following year, PT. Stechoq Robotics Indonesia only does some research without any mass production. In 2021, PT. Stechoq Robotics Indonesia has joined as MBKM's partner. Currently, PT. Stechoq Robotics Indonesia has entered the second batch for the MBKM program. Then for the development of the company's career path, PT. Stechoq Robotics Indonesia has received a Business Identification Number which can be used to open a training program. MSIB activities at PT Stechoq Robotika Indonesia are held from February 7, 2022 to June 14, 2022, one of the positions offered in the internship is Software Engineer, there are 4 research fields namely, Manufacturing, Livestock, Education, and Health. In this manufacturing sector, there are 8 research projects including Arm Transfer for Metal Stamping Process, Liquid Handling System, Automatic Sheet-Metal Press Brake and Stopper, QC Camera Inspection, Automatic Payment Station for Garment Market, Automatic Clip Assembly and Feeding, Automatic Guided Vehicle , Implementation of Lean Manufacturing and Industry 4.0 Transformation at BDI Factory.

Keywords : *MSIB, Payment Gateway, RFID Reader, Software Engineer, Stechoq Robotics Indonesia.*