ABSTRACT

DESIGN OF FACE DETECTION APPLICATION FOR ATTENDANCE USING COMPUTER VISION (CV)

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The Orbit Future Academy company, founded in 2016, which aims to improve the quality of expertise using education, innovation and skills training. Brand Orbit itself is a continuation of the legacy of the late Prof. Dr. Ing. B.J. Habibie and his wife, Dr. Hasri Ainun Habibie. They are driving and supporting the development of educational technology in Indonesia. The Orbit Transformation Center (OTC) network is a network that studies certification-based skills curricula through the Digital Content Platform. Proactively work with governments and organizations to deploy their workforce to suit Industry 4.0 jobs. Providing training to youth with their entrepreneurial skills with up and coming opportunities in various industries and linking the network to industries, investors, and the global start-up ecosystem. This final project is the same as the title in chapter 3, which is named "FDA: Face Detection for Attendance." This FDA is an application using a computer vision domain that aims to perform attendance by using face detection. Later, if the face has been detected, the results will be detected in the provided .xlsx file (Microsoft Excel). The data recorded apart from the face is: name, NIM, class, and what time someone takes the attendance.

Keywords: Computer Vision, FDA, Attendance, Application, Orbit