

ABSTRAKSI

AFIFAH ASTI KUSUWANTI, 2023, *Analisis Pengendalian Mutu Pekerjaan Perkerasan Kaku (Rigid Pavement) pada Proyek Jalan Tol Solo – Yogyakarta – Yogyakarta International Airport (YIA) Kulon Progo Paket 1.1 STA 0+700 – 2+00.* (Dibimbing oleh Dr. Wiryanta, S.T., M.T.)

Proyek Jalan Tol Solo – Yogyakarta – Yogyakarta *International Airport* (YIA) Kulon Progo merupakan program yang tergabung dalam Proyek Strategis Nasional (PSN) yang jaringan jalan tol ini akan menjadi bagian dari Jalan Tol Trans Jawa. Dalam pembangunan Proyek Jalan Tol Solo – Yogyakarta – Yogyakarta *International Airport* (YIA) Kulon Progo diperlukan suatu pengendalian mutu karena saat berlangsungnya proyek tersebut terdapat kendala seperti kendala cuaca yang akan memengaruhi kualitas dan kuantitas dari pekerjaan tersebut. Tujuan penulisan proyek akhir ini melakukan tahapan analisis dan penilaian pengendalian mutu berdasarkan metode QPASS dan QLASSIC.

Tahapan pengendalian mutu dimulai dari pemeriksaan data *trial mix* beton kelas P dengan spesifikasi beton kelas P dan nilai kekuatan karakteristik dalam pelaksanaan perkerasan kaku. Setelah dilakukan analisis kekuatan karakteristik beto dan memastikan bahwa beton kelas P yang dihasilkan memenuhi standar serta spesifikasi yang berlaku. Selanjutnya melakukan inspeksi pekerjaan perkerasan kaku dengan mengisi *form checklist assessment*. Analisis yang digunakan berdasarkan dengan metode QPASS dan QLASSIC.

Dari hasil *form checklist assessment* dan pengolahan data didapatkan hasil penilaian *Quality Product Assessment System* (QPASS) didapatkan hasil 99% dan masuk dalam kategori baik sekali. Sedangkan berdasarkan metode *Quality Assessment System in Construction* (QLASSIC) didapatkan hasil 95% dan masuk dalam kategori baik.

Kata Kunci : Jalan Tol, Perkerasan Kaku, Pengendalian Mutu, QPASS, QLASSIC

ABSTRACT

AFIFAH ASTI KUSUWANTI, 2023, *The Analysis of Quality Control of Rigid Pavement Work on the Solo – Yogyakarta – Yogyakarta International Airport (YIA) Kulon Progo Toll Road Project Package 1.1 STA 0+700 – 2+00.* (Supervised by Dr. Wiryanta, S.T., M.T.)

Solo – Yogyakarta – Yogyakarta International Airport (YIA) Kulon Progo Toll Road project is a program incorporated of the National Strategic Project in that is toll road network will become part of the Trans Java Toll Road. In the construction of the Solo – Yogyakarta – Yogyakarta International Airport (YIA) Kulon Progo Toll Road Project, a quality control is required because during the project there are constraints such as weather constraints which will affect the quality and quantity of the work. The aim of writing this final project is to carry out the analysis and assessment stages of quality control based on the QPASS and QLASSIC methods.

The quality control stage starts from examining the P class concrete trial mix data with the P class concrete specifications and characteristic strength values in the implementation of rigid pavement. After analyzing the strength characteristics of the concrete and ensuring that the resulting P class concrete meets the applicable standards and specifications. Next, carry out an inspection of the rigid pavement work by filling in the assessment checklist form. The analysis used is based on the QPASS and QLASSIC methods.

From the results of the checklist assessment form and data processing, the results of the Quality Product Assessment System (QPASS) assessment were 99% and were in the very good category. Meanwhile, based on the Quality Assessment System in Construction (QLASSIC) method, the results were 95% and were included in the good category.

Keywords : *Toll Road, Rigid Pavement, Quality Control, QPASS, QLASSIC*