FINAL PROJECT
EVALUATION OF SIGNALIZED INTERSECTION PERFORMANCE AT
RUNGKUT MENANGGAL STREET–
RAYA TAMAN ASRI STREET– WADUNG ASRI STREET
SIDOARJO

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ABSTRACK

With the change existence of geometrik road caused development of Waru–Juanda highway fly over that will influence traffic performance exist in Rungkut Menanggal Street – Raya Taman Asri Street – Wadung Asri Street Sidoarjo. The principal source troubleshoot basically caused by geometrik road change, a citizen shopping center in around branch location and imbalance between infrastructure with traffic volume, less the optimal existing traffic management, with cognizance undercommunication road executa nts existing regulation. So intersection evaluation existence is necessary in area of around Pondok Candra real estate.

Intersection performance analysis for condition eksisting and to 5 year coming up to year 2014 carried out under colour of MKJI 1997 method with assistant program are KAJI. For growth up vehicles data base is got from BAPPEKO Surabaya and BAPPEDA Sidoarjo.

Based on analysis result and evaluation inferential that condition eksisting on top of morning delay is 29,24 det/smp with
LOS D, at top day delay 27,83 det/smp with LOS D, at top of afternoon delay 45,71 det/smp with LOS E. For condition repair existing can survive up to year 2011 with alternatively signal time change and traffic current change is got top morning delay is 24,73 det/smp with LOS C, at top day delay is 21,55 det/smp with LOS C and at top of afternoon tundaan is 22,42 det/smp with LOS C. While for the year 2014 alternatively signal time change, geometrik change and traffic current change is got top morning result delay is 24,82 det/smp with LOS C, top day delay average branch is 24,76 det/smp so that LOS C service level such also top afternoon delay that is got 24,65 det/smp so that achieved LOS C.