ABSTRACT

Condition of intersection at Great Nginden street - Manyar street - Nginden Semolo street - Glorious Barata street with existence of installation of culvert box in Semolowaru street representing realization planning of development of Pemkot Surabaya to increase capacities walk it is of course cause volume become progressively mount especially at certain the rushhour, to the number of road which discipline do not in elapsing to pass by quickly and also existence of merchant of cloister exist in intersection add problem that happened in intersection. To overcome the problem of exist in intersection, hence require to be planning repeat branch of bersinyal so that intersection performance earn optimal according to plan.

Performance intersection analysis to the condition of eksisting and to 5 year forwards in the year 2017 executed with existence of method of MKJI 1997 constructively Study program. This Research early from gathering of datas of survey obtained vehicle volume of BAPPEKO Surabaya and On Duty Communication Of Town of Surabaya.
Pursuant to result of evaluation and analysis can be concluded the condition of existing Culminate Morning LOS of C with Tundaan Digress Mean 22.42 det/smp. Top Noon LOS of C with Tundaan Digress Mean 21.03 det/smp, and Top Evening LOS of C with Tundaan Digress Mean 23.11 det/smp. For the repair of condition of existing can stay up to year 2012 with alternative Change of time of signal and change of geometrik, where Top Morning got LOS of C with Digress Mean 19.66 det/smp, Top Noon LOS of C with Digress Mean 16.99 det/smp, and Top Evening LOS of C with Digress Mean 17.67 det/smp. While for the repair of year 2017 In the reality, alternative of II yield Digress Mean which is better to be compared to alternative of I that is change of time of signal and change of geometrik, where Top Morning got LOS of C with Digress Mean 21.29 det/smp, Top Noon LOS of C with Digress Mean 22.22 det/smp, and Top Evening LOS of C with Digress Mean 24.05 det/smp.