In train operational system, one matter always be principal attention such as train trip graph arrangement or usually called with “Gapeka” (Grafik Perjalanan Kereta). This “Gapeka” regulate all train trips at every district of operational area (or: D A O P = Daerah Operasional) in Indonesia. Nowadays when technology growing so fast, the train trip graph developed with manually arrangement. The manually arrangement want loads of time, augmenting with data quantity that used with regulations that must be filled as trip condition a train series can make accuracy level “gapeka” that produced to be low. This condition can be hindrance for railway development in Indonesia.

Therefore be need application programs with computer that can overcome this troubleshoot. This final project will made application program developing train trip graph with computer-program that is Microsoft Visual Basic version 6.0. The application program that called INGame (Indonesia Gapeka Maker) will be developed train trip graph for single track, double track condition and combination in between. Besides, the
application program also composed “gapeka” for the train trip increase the existence consequences.

The result of train trip graph arrangement with application program (INGame) later will be compared with original “gapeka” that compiled and still used up to in this time, that is gapeka per 1st July 2008. From this comparison result knowable accuracy level from train trip graph that composed with program application (INGame). This application program (INGame) also supposed be solution for administrator and train trip system in Indonesia to develop computerized “gapeka” arrangement.

Keywords: Gapeka, application program, Microsoft Visual Basic 6.0, Single Track, Double Track, Combination.