Civil problems like displacement among civil grow and human necessary is important problems. Force to solve this civil problem is with using family planning (KB). Contraception method in KB that used by East Java woman in major is a modern contraception method. Hypothesis of contraception method that was used is influenced by age, domicile, education, job status, number of children, PLKB and medical man briefing. To know about relationship between variation of contraception method and hypothesis of influenced factors can be used multinomial logistic regression. Data that used in this research is SDKI 2007. The model of individual multinomial logistic regression based on contraception method are known that expected from 8 predictor variable there are 5 significant variable there are domicile, wife’s and husband’s education, amount of alive children and medical man. Model of multinomial logistic regression at one test shows that variable domicile, wife’s and husband’s education significantly influenced for traditional contraception method, in other hand variable of amount of alive children, wife’s education and excursion of medical man influenced significantly for the choice of modern contraception method.

Key words: multinomial logistic regression, contraception method, family planning, SDKI 2007