

# **METODE BAYESIAN UNTUK DATA BINOMIAL DENGAN PENERAPANNYA PADA KASUS TIDAK RESPON**

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**Abstract.** Bayesian estimation methods for several binomial probabilities are studied by using a mixture of a product of beta prior distributions. Approximations to the posterior means and credible regions are derived. The result obtained are applied to a sample survey problem in which there is significant nonresponse.

**Key Word :** Categorical data ; Mixture of distributions, Similarity; Sample surveys; Nonresponse error; Contingency tables Estimations.