

purpose to testing hypothesis that had been settle.² As this research aims at the effectiveness of guiding question techniques in teaching English writing text, the quantitative method suit the purpose of this research.

Quasi experimental design was applied in this research. Experimental research was the way to find a causal relationship between two factors that are deliberately caused by the researcher by reducing or setting aside other factors that interfere. Experiments are always done with the intent to see a treatment.³ A quasi experimental design is one that looks a bit like an experimental design but lacks the key ingredient-random assignment.⁴ In this design, the subject can not be randomly assigned to either the experimental or the control group.⁵

With this quasi experimental design, two classes of tenth grade in SMK NU Lamongan selected as the control group and experimental group. The control group was taught by traditional technique and the experimental group was taught by guiding question technique. The purpose of pretest was to know both of groups were has similar ability or not before the implementation of guiding question technique. While the purpose of posttest was to know is guiding question more effectiveness that traditional technique or not. The design of pretest and post-test, control and experimental group are presented as follows

² Sugiyono, *Statistika untuk Penelitian* (Bandung: Alfabeta Bandung, 2010) 8

³ Suharsimi Arikunto, *Prosedur penelitian Suatu Pendekatan Praktek* (Jakarta:Bima Aksara, 1987) 3

⁴ William M. K. Trochim, *The Research Methods Knowledge Base*, 2nd Edition (Ithaca, N.Y: Cornell Custom Publishing, 1999) 215

⁵ (<http://eprints.umm.ac.id/1921>) Browsed on Thursday, 11 May 2012 at 8.48 A.M

C. Research Variable

This research consists of two variables; they are the independent variable and the dependent variable. The independent variable is the single variable that is not influenced by other variables, while the dependent variable is a kind of variable that is affected by other variables.⁶

1. Independent Variables

The independent variable in this research is the guiding question technique that will be use to make students more interest in teaching and learning process of English writing.

2. Dependent Variables

The dependent variable is the English writing achievement of students year X at SMK NU Lamongan.

D. Population and Sample

1. Population

Before carrying out this research, the writer determines the respondent first. Population was the total of subject research.⁷ In this research, the population is the students year X at SMK NU Lamongan which consists of four departments. The first department is office administration department

⁶ Cholid Narbuko - Abu Ahmad, *Metodologi Penelitian* (Jakarta: Bumi Aksara 1997) 119

⁷ Suharsimi Arikunto, *Prosedur penelitian Suatu Pendekatan Praktek* (Jakarta:Bima Aksara, 2006) 130

