

ABSTRACT**THE EFFECT OF CALLIGRAPHY PAINTING ARABIC (ALLAH + MUHAMMAD) STIMULATION IN INCREASING THE ABILITY TO WRITE AND SPEAK ON ELDERLY WITH DEMENTIA****Quasy Experiment Study in Surabaya****By: Rizki Dwi Cahyono**

Elder people is one phase of human development. Aging process causes the cerebral alteration in its structure and function. It causes elder people become easier to forget the new information they just received. Through calligraphy painting Arabic (Allah+Muhammad) stimulation, elderly people with dementia can increase their cognitive. The aims studied was to determine the effect of calligraphy painting stimulation Arabic (Allah+Muhammad) increase writing skill dan ability to speak in elderly with dementia.

This research used quasy experimental design. Population were elderly with dementia at RW X Kelurahan Sidotopo Wetan Surabaya. Samples were 22 respondents taken according to simple random sampling technique, then divided into two groups (intervention: 11 respondents; control: 11 respondents). The independent variable was the calligraphy arabic (Allah+Muhammad) stimulation. The dependent variable was dementia, ability to write and speak. Data were collected by using MMSE and Tadir questionnaire, then analyzed by using Wilcoxon sign rank test and Man-Whitney with significant value $p \leq 0,05$.

The result of Wilcoxon sign rank test in experiment group for MMSE test $p=0.007$; Tadir test for ability to speak $p=0.008$; and for ability to write $p=0.20$. While in control group for MMSE test $p=0.309$; Tadir test for ability to speak $p=0.414$; and ability to write $p=1.000$. Result of Man-Whitney for MMSE test $p=0,036$; Tadir test for ability to speak $p=0.000$; and for ability to write $p=0.002$.

It can be concluded that calligraphy painting (allah + muhammad) stimulation improved cognitive level, ability to write, and speak in elderly with dementia. Future studies were expected to similar interventions can be applied by nurses and health care workers in elderly with dementia. Further research should be added that the number of samples with specific characteristics that affect cognitive elderly with dementia

Keywords: calligraphy painting stimulation, dementia, speaking, writing, elderly