

SAKCHAI KIATNAKIN : RELATIONSHIPS BETWEEN PRIMARY MENTAL ABILITY IN SPACE RELATION, ABSTRACT REASONING AND ARTISTIC APTITUDE OF THIRD YEAR ART EDUCATION STUDENTS IN RATTANAKOSIN UNITED COLLEGES. THESIS ADVISOR : SULAK SRIBURI, Ph.D., ASSIS.PROF.SUWATANA SUWANKETNIKOM, Ph.D. 155 PP.

The purposes of this research were to study the relationships between primary mental ability in space relation, abstract reasoning and artistic aptitude. And to compare the relationships between primary mental ability in space relation, abstract reasoning and artistic aptitude of male students and female students.

The population was 55 third year art education students in Rattanakosin United Colleges of academic year 1987. There are 29 male students and 26 female students. The research instruments were the space relation ability test, the abstract reasoning test and the artistic aptitude test. The obtained data were analyzed by means of Pearson'Product Moment Correlation Coefficient.

The results of research were as follows :

1. The positive correlation between space relation ability and artistic aptitude was rather low and the correlation coefficient was .18
2. The positive correlation between abstract reasoning ability and artistic aptitude was rather low and the correlation coefficient was .24
3. The correlation between space relation ability and artistic aptitude of male students and female students was very closed and the correlation coefficient was .09 and .05
4. The correlation between abstract reasoning ability and artistic aptitude of male students and female students, correlation coefficient was .29 and .06
5. The space relation ability scores and abstract reasoning ability scores of population in percentage were quite good. Those were 76.05% and 78.08% and the artistic aptitude scores in percentage was fair. That was 57.70% and there was no difference in artistic aptitude. The standard diviation was 4.52