The sexual risk behaviors among female adolescents is a serious problem which has an impact on the individual, the family, and society and needs efficient prevention and improving.The purposes of this comparative descriptive research were to examine the emotional quotient and sexual risk behaviors among female adolescents, and to compare the emotional quotient and sexual risk behaviors among female adolescents. The subjects were female adolescents studying in grade 10-12 under the Department of General Education in Aumphur Muang, Lop Buri Province. The study sample of 294 female adolescents were purposively chosen based on a multi-stage random sampling. The instruments employed in this study were a Demographic Data Recording Form, the Emotional Quotient Questionnaire constructed by the Department of Mental Health. The reliability obtained by Cronbach's coefficient alpha. The reliability coefficient of total emotional quotient and three main structures including virtue, competence, and happiness were .87, .67, .78, and .79 respectively. The Sexual Risk Behaviors

Questionnaire constructed by the researcher based on the literature review and its the content validity as well as the reliability coefficient was .90 equally. Data were analyzed by using descriptive statistics.The sexual risk behaviors in different emotional quotient groups were tested by Kruskal-Wallis One-way ANOVA and Mann-Whiney U test statistics.

The results of this study showed that :

1. Subjects had total emotional quotient, competence, and happiness with scores at a normal levels;

2. Subjects had sexual risk behaviors with scores at a low level; and

3. ' In different groups of emotional quotient and sexual risk behaviors were statistically significant differences (p<.01).

The findings could be used as a foundation to develop a guideline for planning for improve emotional quotient in subjects with scores at a low levels both total emotional quotient and three main structures, to prevent sexual risk behaviors among female adolescents.