

## INTISARI

**Latar Belakang:** Kanker serviks menduduki peringkat keempat sebagai kanker yang paling sering menyerang perempuan di seluruh dunia. Strategi untuk meningkatkan perilaku dengan memberikan informasi melalui pendidikan kesehatan. Salah satu media yang dapat digunakan yaitu dengan memanfaatkan teknologi berbasis *mobile application*. *Mobile application Cancer Cervix Caution (Cavixaution)* merupakan media pendidikan kesehatan yang dapat mempermudah wanita usia subur untuk mendapatkan informasi tentang kanker serviks.

**Tujuan Penelitian:** Mengetahui pengaruh *mobile application Cancer Cervix Caution (Cavixaution)* terhadap pengetahuan tentang pencegahan kanker serviks.

**Metode:** Penelitian ini merupakan penelitian *quasi ekperimental* dengan rancangan *nonequivalent control group design*. Jumlah sampel yang diambil sebanyak 152 wanita usia subur dengan metode *proportional sampling* dan *consecutive sampling*. Sampel dibagi menjadi kelompok intervensi sebanyak 76 orang dan kelompok kontrol sebanyak 76 orang. Alat ukur berupa kuesioner pengetahuan wanita tentang skrining kanker leher rahim dengan metode IVA dengan hasil uji validitas  $p < 0,05$  dan uji reliabilitas  $\alpha = 0,90$ . Analisis data menggunakan analisis univariat dan bivariat dengan uji *Wilcoxon* dan uji *Mann Whitney*.

**Hasil:** Pada kelompok intervensi rata-rata skor *pretest* 15,64 dan skor *posttest* 17,45 dengan selisih rata-rata 1,80 dan *p-value* 0,000, sedangkan pada kelompok kontrol rata-rata skor *pretest* 15,76 dan skor *posttest* 16,86 dengan selisih rata-rata 1,09 dan *p-value* 0,000. Maka ada perbedaan rata-rata skor *pretest* dan *posttest* setelah diberikan perlakuan. Selisih rata-rata peningkatan pengetahuan pada kelompok intervensi dan kelompok kontrol 1,45 dengan *p-value* 0,030 yang menunjukkan adanya perbedaan yang bermakna pada kelompok intervensi dan kelompok kontrol akibat perbedaan perlakuan.

**Kesimpulan:** Pemberian pendidikan kesehatan dengan aplikasi *Cavixaution* dapat meningkatkan pengetahuan tentang pencegahan kanker serviks.

**Kata Kunci:** kanker serviks, *mobile application*, pendidikan kesehatan, pengetahuan

## ABSTRACT

**Background:** Cervical cancer ranked fourth as the most common cancer in women throughout the world. Strategies to improve behavior by providing information through health education. One of the media that can be used is by utilizing technology based on mobile applications. Mobile application Cancer Cervix Caution (*Cavixaution*) is a health education media that can facilitate women of age to get information about cervical cancer.

**Objective:** To determine the effect of mobile application Cancer Cervix Caution (*Cavixaution*) knowledge of cervical cancer prevention.

**Method:** The type of study is a quasi-experimental study with a nonequivalent control group design. The total samples taken we 152 women age with proportional and consecutive sampling method. The samples were divided into 76 womens as an intervention group and 76 womens as a control group. Measuring instrument was a questionnaire about women's knowledge of cervical cancer using the IVA method with the result of the validity test  $p < 0,05$  and the reliability tes  $\alpha = 0,90$ . Data analysis used univariate and bivariate analysis with Wilcoxon test and Mann Whitney test.

**Result:** In the intervention group the average *pretest* score was 15.64 and the *posttest* score was 17.45 with a with a mean difference of 1,80 and a *p-value* of 0.000, while in the control group the average *pretest* score was 15.76 and the *posttest* score was 16.86 with a mean difference of 1,09 and a *p-value* of 0.000. Then there is a difference in the average *pretest* and *posttest* scores after being given treatment. The difference in the average increase in knowledge in the intervention group and the control group is 1.45 with a *p-value* of 0.030 which indicates a significant difference in the intervention group and the control group due to differences in treatment.

**Conclusion:** Providing health education with the *Cavixaution* application can increase knowledge about the prevention of cervical cancer.

**Keyword :** cervical cancer, health education, knowledge, mobile application