

INTISARI

Latar Belakang: Metode pembelajaran merupakan sarana memperoleh pengetahuan dan keterampilan. Perkembangan dunia pembelajaran sangat pesat dengan adanya internet seperti metode belajar secara *online*. *Video streaming* merupakan sarana pendidikan melalui internet. *Tooth surface protection* sebagai tindakan pencegahan karies gigi dapat diperoleh melalui belajar *online*. Tujuan penelitian untuk mengetahui perbedaan pengaruh metode pembelajaran demonstrasi dan *video streaming* terhadap pengetahuan dan keterampilan preklinik *tooth surface protection*.

Metode Penelitian: Penelitian *quasi experiment* dengan rancangan *two group posttest*. Subjek penelitian seluruh mahasiswa tingkat dua Diploma III berjumlah 36 yang memenuhi kriteria inklusi. Variabel bebas, yaitu metode pembelajaran demonstrasi dan *video streaming*. Variabel terikat, pengetahuan dan keterampilan diukur dengan cara observasi dan wawancara pada praktek preklinik menggunakan *checklist* setelah subjek diberi perlakuan dengan metode pembelajaran demonstrasi dan *video streaming* tentang *tooth surface protection*. Variabel *convounding*, kecerdasan/IPK dan pengetahuan awal/kemampuan dasar. Analisis data dengan tingkat (sig.) $\leq 0,05$ yaitu analisis anacova, uji *t-test* dan regresi linier.

Hasil Penelitian: Hasil analisis anacova menunjukkan $p > 0,05$ (0,719 dan 0,655) IPK bukan sebagai variabel *convounding* peningkatan pengetahuan dan keterampilan. Uji *t-test* menunjukkan (sig.) = 000 ada perbedaan pengaruh yang signifikan antara metode pembelajaran demonstrasi dan *video streaming* terhadap pengetahuan dan keterampilan. Hasil analisis regresi menunjukkan variabel metode pembelajaran (sig.) = 0,000 berpengaruh signifikan terhadap pengetahuan dan keterampilan. Kontribusi pengaruh terhadap pengetahuan 82% ($R^2 = 0,820$) dan keterampilan 58,2% ($R^2 = 0,582$). Variabel pengetahuan (sig.) = 0,000 berpengaruh signifikan terhadap keterampilan dengan kontribusi pengaruh 53,1% ($R^2 = 0,531$). Kesimpulan pengetahuan dan keterampilan *tooth surface protection* pada metode pembelajaran demonstrasi lebih tinggi dari pada *video streaming*.

Kata Kunci: metode pembelajaran, *video streaming*, pengetahuan, keterampilan, *tooth surface protection*

ABSTRACT

Background: Learning methods are a means of gaining knowledge and skills. The development of the learning word is very rapid with the internal like online learning methods. Video streaming is an educational tool through the internet. Tooth surface protection as a preventive measure for dental caries can be obtained through online learning. The purpose of the study is to know the difference in the effect of demonstration an video streaming learning methods on the knowledge and skill of preclinical tooth surface protection.

Research method: Quasi experimental research with two group posttest design. The research subjects were 36 Diploma III students who met the inclusion criteria. Independent variables are demonstration learning methods and video streaming. The dependent variable, knowledge and skills were measured by observation and interviews in preclinical practice using a checklist after the subject were treated with demonstration learning methods and video streaming about tooth surface protection. Convounding variable, intelligence/IPK and initial knowledge/basic abilities. Data analysis with sig. $\leq 0,05$ which is anacova analysis, t-test and linier regression.

The results of the study: The results of anacova analysis showed $p > 0,05$ (0,719 and 0,655), IPK not as a convounding variables in increasing knowledge and skills. T-test shows sig.0,000 there is a significant difference in effect between demonstration and video streaming learning methods on knowledge and skills. The result of the regression analysis show that the learning method variables have a significant effect on knowledge and skills. The contribution of influence to knowledge 82% ($R^2=0,820$) and skills 58,2% ($R^2=0,582$). Knowledge variables have significant effect on skills with an influence contribution of 53,1% ($R^2=0,531$). The conclusions of tooth surface protection knowledge and skills on demonstration learning methods are higher than for video streaming.

Keywords: Learning methods, video streaming, knowledge, skills, tooth surface protection