

Universitas Ngudi Waluyo

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**ANALISIS PENGARUH EDUKASI MELALUI MEDIA VIDEO  
TERHADAP TINGKAT PENGETAHUAN PASIEN DIABETES MELITUS  
TENTANG PERAWATAN KAKI DI PUSKESMAS**

**ABSTRAK**

**Latar Belakang:** Media video efektif digunakan dalam usaha untuk meningkatkan pengetahuan seseorang terhadap suatu informasi, media tersebut dapat memperlihatkan gambar yang dapat bergerak dan memiliki suara. Tujuan penelitian ini yaitu untuk menganalisis efektivitas edukasi tentang perawatan kaki terhadap tingkat pengetahuan pasien DM.

**Metode:** Penelitian ini menggunakan *quasy-experimental design, pretest and posttest with control group*, sebanyak 30 sampel di Puskesmas Bawen dan 30 sampel di Puskesmas Suruh, yang diambil dengan teknik *total sampling*. Data dianalisis dengan *Uji wilcoxon dan Uji Mann-Whitney* dengan taraf kepercayaan 95%.

**Hasil:** Hasil penelitian ini menunjukkan pasien DM paling banyak usia 56-65 tahun, dengan jenis kelamin laki-laki 12 orang dan perempuan 48 orang. Hasil *Uji Wilcoxon* sebelum dan sesudah pada kelompok perlakuan didapatkan (0.000) artinya terdapat perbedaan yang signifikan setelah diberi video edukasi, dan pada kelompok kontrol didapatkan (1.000) artinya tidak terdapat perbedaan yang signifikan. Hasil *Uji Mann-Whitney* sebelum diberi video edukasi didapatkan (0.957) artinya tidak terdapat perbedaan yang signifikan antara kelompok perlakuan dan kontrol, sedangkan sesudah diberi video edukasi didapatkan (0.000) artinya terdapat perbedaan yang signifikan antara kelompok perlakuan dan kontrol.

**Simpulan:** Pemberian edukasi dengan media video secara signifikan meningkatkan pengetahuan perawatan kaki pada pasien DM tipe 2.

**Kata Kunci:** diabetes, edukasi, perawatan kaki, tingkat pengetahuan, video

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**ANALYSIS OF THE EFFECT OF EDUCATION THROUGH VIDEO  
MEDIA ON THE LEVEL OF KNOWLEDGE OF DIABETES MELLITUS  
PATIENTS ABOUT FOOT CARE AT PUSKESMAS**

**ABSTRACT**

**Background:** Video media is effectively used in an effort to increase one's knowledge of information, the media can show images that can move and have sound. The purpose of this study was to analyze the effectiveness of education about foot care on the level of knowledge of DM patients.

**Method:** This study used quasy-experimental design, pretest and posttest with control group, as many as 30 samples at Bawen Health Center and 30 samples at Suruh Health Center, which were taken by total sampling technique. Data were analyzed with the Wilcoxon Test and Mann-Whitney Test with a 95% confidence level.

**Results:** The results of this study showed that most DM patients aged 56-65 years, with 12 men and 48 women. The results of the Wilcoxon test before and after in the treatment group were obtained (0,000) meaning there was a significant difference after being given educational videos, and in the control group obtained (1,000) meaning there was no significant difference. The results of the Mann-Whitney Test before being given an educational video were obtained (0.957) meaning that there was no significant difference between the treatment and control groups, while after being given an educational video obtained (0.000) meaning that there was a significant difference between the treatment and control groups.

**Conclusion:** Providing education with video media significantly increases foot care knowledge in type 2 DM patients.

**Key words:** diabetes, education, foot care, level of knowledge, videos