

## ABSTRAK

**Latar Belakang:** Frekuensi tenaga kesehatan dalam penggunaan *smartphone* sangat tinggi dan dapat menyebabkan kontaminasi silang pada pasien dengan *smartphone* sebagai perantaranya. Tingginya angka kuman pada *smartphone* dapat dipengaruhi oleh sikap dan perilaku *hand hygiene*.

**Tujuan:** Mengetahui hubungan antara sikap dan perilaku *hand hygiene* terhadap cemaran *smartphone* pada tenaga kesehatan.

**Metode Penelitian:** Jenis penelitian ini adalah penelitian observasional analitik dengan desain *cross sectional* pada 84 tenaga kesehatan di RS PKU Muhammadiyah Gamping Yogyakarta. Penelitian ini dilaksanakan pada Maret 2018 - April 2018. Pengukuran sikap dan perilaku *hand hygiene* diukur menggunakan kuesioner sedangkan pengukuran cemaran kuman menggunakan metode *streak plate* di laboratorium Mikrobiologi Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta.

**Hasil Penelitian:** Hasil analisis data dari 84 Responden 64% perempuan dan 20% laki-laki didapatkan sikap *hand hygiene* rendah 0% tidak tercemar kuman 4,8% tercemar kuman pada *smartphone*, sikap *hand hygiene* sedang 2,4% tidak tercemar kuman dan 54,8% tercemar kuman pada *smartphone* dan pada sikap *hand hygiene* tinggi 1,2% tidak tercemar kuman dan 36,9% tercemar kuman pada *smartphone*. Perilaku *hand hygiene* rendah didapatkan 1,2% tidak tercemar kuman dan 9,5% tercemar kuman pada *smartphone*, perilaku *hand hygiene* sedang didapatkan 1,2% tidak tercemar kuman dan 50% tercemar kuman pada *smartphone* dan perilaku *hand hygiene* tinggi didapatkan 1,2% tidak tercemar dan 36,9% tercemar kuman pada *smartphone*.

**Kesimpulan:** Variabel sikap dan perilaku *hand hygiene* tidak memiliki hubungan yang signifikan terhadap cemaran kuman pada *smartphone* tenaga kesehatan.

**Kata Kunci:** *hand hygiene*, cemaran kuman, *smartphone*, tenaga kesehatan

## ABSTRACT

**Background:** *Smartphone users by health workers are very high and it can cause cross contamination in patients with smartphones as intermediaries. The high number of germs on smartphones can be influenced by the attitude and behavior of hand hygiene*

**Objective:** *To examine the relationship between attitude and behavior of hand hygiene to smartphone contamination in health workers.*

**Methods:** *This type of research is an analytic observational study with cross sectional design on 84 health workers at PKU Muhammadiyah Gamping Yogyakarta Hospital. This research was carried out on Maret 2018- April 2018. Measurement of hand hygiene attitudes and behaviors was measured using a questionnaire while measurement of germ contamination using the streak plate method in microbiologi of FKIK laboratorium.*

**Result:** *Analysis of results from 84 Respondents 64% women and 20% men obtained hand hygiene with low attitudes 0% not contaminated with germs 4.8% contaminated with germs on smartphones, hand hygiene with moderate attitudes 2.4% not contaminated with germs and 54.8% is contaminated with germs on smartphones and hand hygiene with high attitude 1.2% is not contaminated and 36.9% is contaminated with germs on smartphones. Data from low hand hygiene behavior is found 1.2% are not contaminated and 9.5% are contaminated with germs on smartphones , moderate hand hygiene behavior obtained 1.2% not contaminated and 50% contaminated with germs on smartphones and high hand hygiene behavior found 1.2% not contaminated and 36.9% contaminated with germs on smartphones.*

**Conclusion:** *The variables of attitude and behavior of hand hygiene do not have a significant relationship to the contamination of germs on smartphone health workers.*

**Keywords:** *hand hygiene, germ contamination, smartphone, health worker.*