

**ABSTRACT**

**Comparison Between HPV Hybrid Capture-II, Pap Smear And VIA examination For Cervical Cancer Screening On Commercial Sex Workers In Kediri City**

**ERAWATI**

Female sex commercial workers are female with changing sex partners and having high risk sexual behavior, who are exposed with blood, semen, and vagina fluid contaminated with microorganism causing sexual transmitted disease such as infection because of Human papillomavirus (HPV), thus makes them having high risk to be infected with HPV high risk type, the main cause of cervix cancer. Cervix cancer is the number one cause of female cancer in Indonesia, makes cervix screening test become crucial and important especially for woman with high sexual risk behavior such as female commercial sex workers. This research aimed to compare High Risk HPV (type 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 and 68) detection using Hybrid Capture-II Method with Pap Smear Screening Test and IVA Screening Test towards female sex commercial workers in Kediri taken in Puskesmas Campurejo. This research was descriptif observational research with cross sectional comparative design. The research result Samples were 47 female commercial sex workers were obtained 32 samples (68,1%) positive in HPV detection using Hybrid Capture-II Method and 15 samples (31,9%) negative. Screening Pap smear result were obtained 3 samples (6,7%) show displacya (Cervical Intraepithel neoplasia /CIN1), 44 sample (93,6%) were normal smear and inflamasi or infection in cervix. Screening VIA result were obtained 8 samples (17%) positif VIA and 39 samples (83%) negative VIA screening. Data was analyzed using Kruskal Wallis Non Parametrical Test ( $p=0,000$ ) and continued with post hoc analyze using Mann whitney test. The result show that there was significant different between HC-II with Pap smear and Via ( $p=0,000$ ) and there was no significant different in comparative pap smear screening and iva screening ( $p=0,111$ ).

**Key words:** Sex commercial workers, Cervical Cancer, HPV Hybrid Capture-II, Pap smear, VIA