# **METODE ASSOCIATION RULE UNTUK ANALISIS CITRA CT ORGAN PASIEN KANKER OVARIUM**

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***Abstract***

*This research work on analysis of the organs liver, kidney anduterus, ovarian cancer patients at the image of Computed Tomography (CT) scan. Analysis of these organs use the Association Rule. Method of Association Rule is part of the process of data mining which aims to find the tendency of the data in this case can find a pattern characteristic of organs liver, kidney, and uterus of patients with ovarian cancer. Formation of Association Rule comprises three stages: feature extraction based on feature size and intensity of the organ, the transaction database, and terminated the application of Association Rule. Tests conducted on 17 patients with ovarian cancer data from cancer hospital in Jakarta. The result of Association Rule is found that uterus size has a characteristic pattern with support of rule 55 %, a pattern characteristic of relationship between liver organ and uterus size with support of rule 45 %, pattern characteristic of relationship between liver, kidney intensity and uterus size with support of rule 40 %, pattern characteristic of organ relationship kidney intensity and uterus size with support of rule 50 %. Application of Association Rule method for CT image analysis organ ovarian cancer patients is expected to help medical experts in making the diagnosis.*

*Key words: Association Rule, Computed Tomographi (CT), Citra Abdominal and Pelvis.*