

Identifikasi Serotipe dan Sensitivitas Antibiotik *S. pneumoniae* yang Dibawa Nasofaring Penderita Oma di Kabupaten Banyumas

Title	Identifikasi Serotipe dan Sensitivitas Antibiotik <i>S. pneumoniae</i> yang Dibawa Nasofaring Penderita Oma di Kabupaten Banyumas
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Abstract	The aims of this study are to detect <i>S. pneumoniae</i> carried by nasopharynx of children in primary school (aged 6-12 years) that diagnosed with AOM, to identify sensitivity of <i>S. pneumoniae</i> to antibiotics. The design of this study is nonexperimental survey with the descriptive analysis. Sampling was conducted in September - December 2018 in Banyumas district primary schools. Detection of <i>S. pneumoniae</i> was performed with microbiology methods. Meanwhile, serotype was determined by multiplex PCR and sensitivity to antibiotics was deduced using disc diffusion. The result of this study showed that carriage rate of <i>S. pneumoniae</i> carried by nasopharynx in children aged over 5 years that diagnosed with AOM in the Banyumas district was 35%. Serotype of <i>S. pneumoniae</i> obtained from this study were 6A/6B, 6C/6D, 17F, 3, 13, 14, 23B, and untypeable. In addition, isolates of <i>S. pneumoniae</i> were highly susceptible to clindamycin (100%), erythromycin (100%), sulphametaxazole/trimethoprim (100%), chloramphenicol (88%), oxacillin (77%), and tetracycline (66%).
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