

## Pengembangan sistem informasi PWS-KIA berbasis sistem informasi geografis Dinas Kesehatan Aceh Barat tahun 2008 = Information system development of PWS KIA with geographic information system based in public health service West Aceh in 2008

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### Abstrak

Pengembangan Sistem Informasi PWS-KIA berbasis SIG ini adalah dihasilkannya Prototipe aplikasi Program KIA Puskesmas untuk Dinas Kesehatan Kabupaten. Selain itu dapat pula dilakukan pemetaan untuk melihat cakupan indikator KIA dan melihat wilayah prioritas berdasarkan cakupan indikator KIA, rasio tenaga Bidan terhadap desa binaan, jarak tempuh kecamatan ke ibu kota kabupaten dan persentase desa rawan per kecamatan. Metodologi yang digunakan adalah pendekatan sistem yang terdiri dari analisis sistem yang dimulai dengan: menetapkan masalah sistem informasi yang ada, informasi peluang pengembangan, indikator dan data yang dibutuhkan. Kemudian membuat perancangan sistem yaitu membuat format input dan output. Selanjutnya dilakukan analisis dengan pemetaan. Diharapkan dengan tersusunnya prototipe PWS-KIA ini, dapat diterapkan di Dinas Kesehatan dalam mempermudah pelaksanaan Evaluasi Program KIA.

.....Information system development of PWS-KIA with Geographic Information System (GIS) based produced prototype application KIA program in Public Health Centre for Public Health Office. The prototype can be conducted mapping to see coverage indicator and see priority region with indicator coverage based, personnel ratio of midwife for building village, traveled distance from district to capital city sub-province and less village percentage by district. The methodology used is system approach that consist of system analysis started with: specify existing information system problem, information of development opportunity, indicator and data required. Then make system design that make input format and output. Furthermore is made analysis with mapping. The prototype result has been gotten information about the first priority Public Health Centre for intervention is Public Health Centre- with low coverage indicator KIA, personnel ratio of midwife for building village, less village percentage and traveled distance from district to capital city sub province that far is West Woyla Public Health Center, East Woyla Public Health Center, Sungai Mas Public Health Center and Meutulang Public Health Center. Expectation from PWS-KIA prototype can help Public Health Office for monitoring and evaluating KIA Program.