

## **Anemia Maternal in Pregnancy as a Risk Factor of Low Birth Weight: A Systematic Review**

**Authors :** Herlena Hayati, Diyan Reni Jayathi, Hairida Anggun, Citra Amelia

**Abstract :** This systematic review research is aimed to find out anemia maternal during pregnancy as a risk factor of low birth weight. This research was done by searching some journals which have associated to maternal anemia during pregnancy with low birth weight that had been published in journal accreditation and scopus index. Study literature that researcher had been done by March - April 2016 through online library of UI. The journals that had been selected according to inclusive criteria and exclusive criteria had been through the critical appraisal process. This systematic review towards 4 journals that had been selected and published showed the significant result statistically that anemia maternal is one of the risk factors which causes low birth weight. Anemia maternal on the first-trimester pregnancy showed significant association with low birth weight. Moderate anemia and severe anemia also showed significant association with low birth weight. Meanwhile, mild anemia doesn't have an association with low birth weight. The conclusion of this study is anemia maternal (as an independent risk factor) have an influence towards low birth weight.

**Keywords :** anemia maternal, low birth weight, pregnancy, systematic review

**Conference Title :** ICPHE 2016 : International Conference on Public Health and Environment

**Conference Location :** Bangkok, Thailand

**Conference Dates :** December 12-13, 2016