

## **Abstract**

ARI or Acute Respiratory Infection are infection diseases at respiratory area, begin from nose until alveoli. Mal nutrition can causes ARI, so there is synergic interaction between infection and mal nutrition. Based on the questionnaire result, this time, if parents want to know about nutrition status of their child or about how to recognize an ARI, they must visit the doctor or hospital. Not all parents can monitor independently or through a books. Because of this, we need an alternative media that can use for monitoring nutrition status of child.

In this final project, ARI diagnose application support for children has been developed with some functionalities that is ARI diagnose support, and calculate of nutrition status using NCHS tabel BB/U which is implemented on a client server system. This client server system contains android mobile as client side and website as server side.

There are several main functions of this application, such as ARI diagnose, nutrition status calculation, ideal weight calculation, vaccination schedule, and also health articles. This application used Java, PHP and JQuery programming languages, design interface using Photoshop, XML, and also MySQL database.

Keyword: ARI, nutrition.