

Indonesia

Quality Assurance in Environmental and Food Analysis in Indonesia

(Project-No.: 2006.2039.3/ PTB-No.: 95229)

Brief description

Important decisions, especially in the field of environmental protection and food safety, are often taken on the basis of measurement results which have been obtained by means of chemical analysis. The data on which these decisions are based must therefore be reliable and trustworthy. For commercial exchanges, it is also essential that analytical results can be accepted without tedious re-measurements. For reliable chemical analyses a national quality infrastructure that guarantees comparability and international traceability of measurement is a pre-requisite. The technical foundation for Metrology in Chemistry (MiC) is a network of national reference and metrology laboratories, including inter-laboratory comparisons and certified reference materials. Due to the increased importance of the results of chemical analyses for society, economy and science, the field of MiC is being strongly promoted in all industrialized countries and also in numerous countries in transition.

In Indonesia, the creation and development of a national MiC infrastructure is still in its beginnings. The Research Centre for Chemistry (RCChem-LIPI) is the designated institute for MiC of the Indonesian Institute of Sciences (LIPI). However, RCChem-LIPI as well as relevant partner institutions are not yet able to fully fulfill these complex tasks.

The aim of this project is to strengthen the structural framework of MiC in Indonesia in the fields of environmental protection and food safety based on a reliable and internationally integrated quality infrastructure. Together with relevant stakeholders, the following three fields of intervention have been identified to strengthen the national MiC:

1. Strengthening the basic MiC infrastructure;
2. Raising awareness for the importance of a quality infrastructure with a focus on MIC
3. Metrological traceability

Target groups

The **target group** encompasses the direct users of metrological services (authorities; industrial companies which require food and environmental testing to manufacture better products) and consumers who use MiC without being aware of it.

Project executing agency

Research Centre for Chemistry (RCChem)
as the designated institute of the Indonesian Institute of Sciences (LIPI)

Term and value of the commission

Present phase:	10/2010 - 09/2014
Total Project Duration:	10/2010 - 09/2020
Total amount of German contribution:	1,100,000 EUR