

Category	: International Rice Research Conference
Select Theme	: Disruptive technologies and innovations
Endorsement email	:
Keyword 1	: Big data and open access
Keyword 2	:
Keyword 3	:
Title of Entry	: Documentation of Indonesia Rice to Support the Utilization in the Global Information System
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Select only one type of presentation	: 15 minute oral presentation

Abstract : Rice is primary agricultural crop in Indonesia. ICABIOGRAD manages the rice collection that has been collected since the era of the 1970s. The number of collections increased by the addition from exploration, donations, or material exchanges. However, there is also a reduction due to undetectable viability deterioration. The rice database of 2015 shows a total collection of 4113 rice accessions which is consisting of local landraces, improved varieties, under-developed lines, and introduced rice varieties. From those collections, only 25% of characterization data were available, and even fewer for the evaluation data. Besides that, rice database management was also experienced other problems, such as duplication of accessions, and unavailability of some information that are essential for materials exchange. Starting from 2016 there was program for revamping the rice collection. In parallel, the internal database updating was conducted. The updated database provides an overview of the actual number of rice collections, along with the available data of each accession including the passport data and some data requirements that are essential in material exchange in the global information system. In 2017, part of the data was used as samples for testing the software of Digital Object Identifier (DOI) that was developed by International Rice Research Institute (IRRI). A total of 849 data accession were considered sufficient for the testing. The database updating is continued in 2018 in order to find more accession provided for multilateral system.

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