

**EAPVPF**

**EAST ASIA PLANT VARIETY PROTECTION FORUM  
TRAINING COURSE FOR DUS TEST OF RICE**

**REPORT**

*Prepared by the Organizers of the Course*

**1. INTRODUCTION**

1. Rice is one of the most important crops in Asia especially in ASEAN. Recent years, in many country the policies to promote of breeding new varieties of rice are established for the benefit of agriculture production and food demand of increased population. One of those policies is Plant Variety Protection (PVP). The cooperation among regional countries is a solution for the implementation of PVP effectively.

2. By the discussion in the 7<sup>th</sup> Meeting of East Asia Plant Variety Protection Forum (EAPVPF) in Vientian, Lao Democratic Republic (Lao PDR) on August 2014, a training course on DUS Test of Rice for the regional countries is organized in Hanoi by funding from Japan with the cooperation of PVPO of Vietnam. This course is one of activities on the technical harmonization of PVP system in region.

3. The training course is held in National Center for Plant Testing (NCPT) and it's Station of DUS Test of Rice (Van Lam Station) from 29<sup>th</sup> Sept. to 2<sup>nd</sup> Oct. 2014 with the content on the DUS Test of rice as in the detailed agenda (ANNEX 1).

4. The Participants are the persons who work in the PVP system and related offices from EAPVPF's Members as Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand and Vietnam (List of Participants is in ANNEX 2). The lecturers are the experts from Vietnam and Japan.

**2. THE PROCESS OF TRAINING COURSE**

1. On 29<sup>th</sup> Sept. 2014 the discussion on the final agenda and the preparation for the practical

works in Vanlam station is conducted between organizers and experts in Vanlam station for the effective of the course.

The selection of varieties (candidate, similar and example varieties) and Characteristics for practical is discussed in the room then checked on basis of the current situation on growing stages of rice in the field.

### PREPARATION WORKS FOR PRACTICAL ON 1<sup>ST</sup> AND 2<sup>ND</sup> OCTOBER



Select characteristics based on TG



Check on the field for selected characteristics

**2. In 30<sup>th</sup> September 2014 – Lecture in the Meeting room of National Center for Plant Testing (NCPT), No 6 Nguyen Cong Tru Street, Hanoi.**

- 8.15 - Mr Nguyen Tien Phong, Vice Director of NCPT welcomed all participants and give Opening Speech for the training course. He emphasized on the importance of DUS Test in the Plant Variety Protection and hope Vietnam will receive more activities as this event in the future.

- The content related to conduct of DUS Test for rice is presented by Vietnamese and Japanese Experts include: General Introduction for DUS Test (TG1/3); DUS Testing System in Vietnam; Planning for Rice DUS Test and procedures to implement DUS Test in VN; Role of DUS Test and functional characteristics; Introduction of TG of Rice and DUS Test report of rice; the detail implementation of DUS Test for rice in Vietnam, Introduction of Database Management System on PVP in Vietnam...

- Furthermore, the situation of Breeding and Production of Rice in each country is presented by the delegate of participated country. By those presentation, overview on the situation of rice in different countries show the importance of rice in region.

### PHOTOS OF THE COURSE IN NATIONAL CENTER (30 OCT)



Presentations in the room



Practice of the Database Management System

### 3. Lecture and practice in Van lam station (20km from Hanoi)

- On the 1<sup>st</sup> October 2014, participants move to Vanlam station – DUS Test for Rice Station which under the National Center for Plant Testing. The main function of Vanlam station is responsible for VCU and DUS testing of Rice in Vietnam.

In Vanlam station, the lecture on the way how to observe and measurement of relevant characteristics for rice is introduced through the instruction book for conducting DUS Testing for rice (Manual for rice) which Vietnam just finished by the assistance of JICA Project. In addition, Selecting characteristics for practical and method to take sample for observation and measurement is presented by Vietnamese DUS Testers in the station.

#### INSTRUCTION BEFORE PRACTICE IN MEETING ROOM



Lecture for some content is continuing in Vanlam station on 1<sup>st</sup> October 2014.

In the afternoon of the 1<sup>st</sup> Oct, practical works is conducted in the field for the observation characteristics. All participants is divided into 3 groups with 4 to 5 persons in each group. Before practice, selecting characteristics for practical and method to take sample for observation and measurement is instructed by the DUS Tester in the Station. Furthermore, the way how to write the DUS report for final examination is provided.

## PRACTICE IN THE FIELD FOR OBSERVATION CHARACTERISTICS



Participants in different groups observed characteristics of rice under strong sunlight

### 4. Practice and presentation of the final report by groups

- Early morning of 2<sup>nd</sup> October, measurement of characteristics in the room by 3 groups. Then all the participants making report and presentation of their final report.

## MEASURE IN THE ROOM



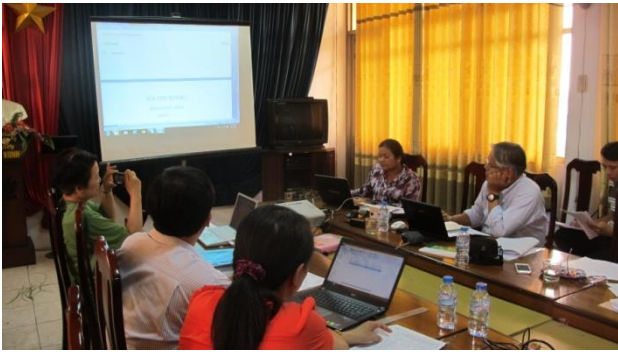


## MAKING REPORT



## PRESENTATION OF FINAL REPORT BY GROUPS





### 3. RESULTS OF THE COURSE



- Almost of the participants understand on the basic knowledge of DUS Test and method for implementation of DUS Test for rice.
- Through the course, participants from different countries have chance to mutual understanding others and this is very important for the cooperation in future.
- In the end of the course, organizer conducted an evaluation by questionnaire with 6 questions are: 1. Please select your impressions of the course; 2. The training course did facilitate a better understanding of the DUS Test?; 3. Did you satisfied to the training schedules, text, lecture and practical training?; 4. Please write if there is an advice in order to improve the course.; 5. After returning home, how do you use the information obtained in the course; and 6. Please write your comment for this course, if you have.

and the answers we received as follow:

Question No	Answer	No/Total (No/10)	Note
1	Very good Good Not so good Others	8/10 2/10 0 0	
2	Yes No	10/10 0	

	Other	0	
3	Yes No Other	10/10 0 0	
4	- All good/Everything is very good - Add more contents such as Amylose content experiment; How to take photos; More practical, especially focus on QL, PQ (easy to confuse) - No answer	3/10 3/10 4/10	
5	- Setting up DUS Testing System/Making own manual for rice/Considering more on DUS with specific works on DUS/Train others - No answer	9/10 1/10	
6	- Good comment - Fair comment - Bad comment - No comment	4/10 2/10 0/10 4/10	

## ANNEX 1 – AGENDA OF THE COURSE

Time	Contents	Presenter
<b>30<sup>th</sup> Sept.</b>	<b>In National Center – No 6 Nguyen Cong Tru Street (1.5km from Army hotel.</b>	
8.30 – 09.30	General Introduction for DUS	Mr. Nguyen Thanh Minh
9.30 – 10.00	DUS Testing System in Vietnam	Ms. Nguyen Mai Ha
10.00-10.15	Break coffee	
10.15-11.00	Planning for Rice DUS Test and procedures to implement DUS Test in VN	Ms. Ngo Hong Van
11.00-11.40	Situation on Breeding and Production of rice in each participated country	Each country (10minutes)
11.40-12.30	Discussion among participants in the course	
12.30-13.30	Lunch	
14.00-15.00	Database for management of Plant Varieties for DUS Test	Ms. Ngo Hong Van
15.00-15.45	Role of DUS Test and functional characteristics	Mr. Mizuno Tadao
14.45-15.00	Break coffee	
15.00-15.45	Introduction of TG of Rice and DUS Test report of rice	Ms Pham Thai Ha
15.45-16.45	Discussion by every body	
<b>1<sup>st</sup> October</b>	<b>In Van Lam Station (Rice Station)</b> Introduction of VanLam Station Selecting characteristics for practical and method to take sample for observation and measurement	Mr. Dao Van Khoi
09.00-09.15	Observation of some characteristics (for	
09.00-09.30	characteristics can observe in the field); Taking	Mr. Phuong and Mr. Hoan
09.30-10.30	sample from the field for practical (for	
10.30-11.30	characteristics can observe/measure in the room)	
12.00-13.00	Introduction of Manual of rice	Mr. Phuong
14.00-16.00	Lunch	
16.00-17.00	Practical for selected characteristics Discussion	Ms Ha, Mr Phuong
<b>2<sup>nd</sup> October</b>	<b>In Van Lam Station (Rice Station)</b> Continue to practice	Mr. Phuong and All Participants
09.00-11.30	Lunch	
12.00-13.00	Making DUS Test Report and presentation by	Q&A discussion by everybody
14.00-16.30	groups (3 groups)	
16.30-17.00	Discussion	



## ANNEX 2 – LIST OF PARTICIPANTS

### THE KINGDOM OF CAMBODIA

1. Ms Savann TIM, Vice Chief of Rice Seed Development and Management Office, General Directorate of Agriculture, MAFF - the Kingdom of Cambodia, [savanntim@yahoo.com](mailto:savanntim@yahoo.com)

### THE REPUBLIC OF INDONESIA

2. Miss Susilowati, Center for PVP and Agricultural Permits, Ministry of Agriculture, The Republic of Indonesia - [susilowatizaini@yahoo.co.id](mailto:susilowatizaini@yahoo.co.id)

### LAO PEOPLE'S DEMOCRATIC REPUBLIC

3. Mr. Phanpradith PHANDALA, Deputy Director, Agronomy Management Division, Department of Agriculture, Lao People's Democratic Republic, [phanpradith@hotmail.com](mailto:phanpradith@hotmail.com)

### MALYSIA

4. Mr. Zainal Abidin Bin Kadir, Assistant Agriculture Officer, Plant Variety Protection Registration Section, Department of Agriculture, Malaysia, [zainalabidin@doa.gov.my](mailto:zainalabidin@doa.gov.my)

5. Mrs Raudah Binti Talib, Agriculture Officer, Pesticides Control Division, Department of Agriculture, Malaysia, [raudah@doa.gov.my](mailto:raudah@doa.gov.my); [raudahthalib@gmail.com](mailto:raudahthalib@gmail.com)

### MYANMAR

6. Mr. Toe Min, Staff Officer, Department of Agriculture Permits, Ministry of Agriculture, Myanmar, [dapasean@gmail.com](mailto:dapasean@gmail.com)

### THE REPUBLIC OF THE PHILIPPINES

7. Ms. Elvira D. Morales, Agriculturist II, Plant Variety Protection Office, The Republic of the Philippines, [elviemorales@yahoo.com](mailto:elviemorales@yahoo.com)

### THE KINGDOM OF THAILAND

8. Mr. Pan Pankhao, Agricultural Scientist, Plant Variety Protection Office, Department of Agriculture, Ministry of Agriculture and Cooperatives, The Kingdom of Thailand, [ppk1969@hotmail.com](mailto:ppk1969@hotmail.com)

## SOCIALIST REPUBLIC OF VIETNAM

9. Mr Nguyen Thanh Minh, Senior Officer, Plant Variety Protection Division, Department of Crop Production, Ministry of Agriculture and Rural Development, Socialist Republic of Vietnam, [minh\\_pvp@yahoo.com](mailto:minh_pvp@yahoo.com) / [minhnt.nn@mard.gov.vn](mailto:minhnt.nn@mard.gov.vn)
10. Ms. Le Thi Tuyet Nga, Header of Ba Ria Station, National Center for Plant Testing in the South, Socialist Republic of Vietnam, [tuyet\\_nga178@yahoo.com](mailto:tuyet_nga178@yahoo.com)
11. Ms. Nguyen Thi Mai Ha, Vice Head of Plant Variety Evaluation Division, National Center for Plant Testing, Socialist Republic of Viet Nam, [hakn2006@gmail.com](mailto:hakn2006@gmail.com)
12. Ms Ngo Thi Thanh Van, DUS Examiner, Plant Variety Evaluation Division, National Center for Plant Testing, Socialist Republic of Viet Nam, [thanhvan161074@gmail.com](mailto:thanhvan161074@gmail.com)
13. Mr. Nguyen Thai Ha, DUS Tester, Tuliem station, National Center for Plant Testing, Socialist Republic of Viet Nam, [Thaiha\\_dm@yahoo.com](mailto:Thaiha_dm@yahoo.com)
14. Ms. Pham Thai Ha, DUS Tester, Tuliem station, National Center for Plant Testing, Socialist Republic of Viet Nam, [Phamthaiha81@yahoo.com](mailto:Phamthaiha81@yahoo.com)
15. Mr. Dao Van Khoi, Vice Director of Vanlam Station, National Center for Plant Testing, Socialist Republic of Viet Nam, [Vankhoi84@gmail.com](mailto:Vankhoi84@gmail.com)
16. Mr. Nguyen Quoc Phuong, DUS Tester, Vanlam Station, National Center for Plant Testing, Socialist Republic of Viet Nam, [quocphuongtt07@gmail.com](mailto:quocphuongtt07@gmail.com)

## JAPAN

17. Mr. Tadao Mizuno, Former Chief Examiner, Plant Variety Protection Office, Ministry of Agriculture, Forestry and Fisheries Japan, [tadao.mizuno@gmail.com](mailto:tadao.mizuno@gmail.com)
18. Ms Kimiko ISHIKAWA, Senior Researcher, JATAFF, Japan, [ishikawa@jataff.jp](mailto:ishikawa@jataff.jp)