

The 16th JOINT WORKSHOP HELD IN JAKARTA, BUTON ISLAND,
BALI, Indonesia
28th February to 3rd March, 2016

The 16th Joint Workshop for the technology and policy research of Road and Transport was held in Jakarta, Buton island, Bali, Indonesia by NILIM, Japan and IRE, Indonesia* with sister organizations on 28th February to 3rd March 2016.

(* IRE, Indonesia : Institute of Road Engineering, Indonesia

The activities of 16th Joint Workshop are as follows:

- 1) Open seminar on regional development : Road Side Station
- 2) Discussion and Site visit on Michinoeki
- 3) Discussion on Traffic Data Collection
- 4) Discussion and Site visit on pavement (AsButon Research Project)
- 5) Discussion and Site visit on Tunnel



Open seminar



Discussion on Michinoeki



Site Visit on AsButon Research project



Member of Tunnel Research

1. Contents

• Open seminar on regional development : Road Side Station

The open seminar on regional development was held in Jakarta, Indonesia jointly by National Institute for Land and Infrastructure Management (NILIM), Public Works Research Institute (PWRI), Institute of Road Engineering (IRE) and Japan Society of Civil Engineers (JSCE) on 29th February 2016. More than 120 participants including the executive staff of Ministry of Public Works and Housing, researchers of IRE, staff of Ministry of Tourism, staff of local government and academician etc. attended the seminar.

In the keynote lecture session, Dr. Achmad Hermanto Dardak, Head of Infrastructure Regional Board, gave a lecture about issue of gap between urban area and rural area in Indonesia and solutions taken by Ministry of Public Works and Housing. In addition, he introduced the new effort, "Smart Travelers Plaza Plan", which was formed with reference to Michinoeki (Road Side Station in Japan).

Dr. Masahide ITO, Director of Road Traffic Department of NILIM, explained about summary of Japan's Michinoeki system. In the lecture, the results of analysis for successful cases of Japan's Michinoeki and the point of success obtained from the results were shown.



Open seminar on "Regional Development"

• Discussion and Site visit to the candidate site of Smart Travelers Plaza

On the day following the open seminar, the participants conducted site visit to the candidate site of Smart Travelers Plaza at Bali. Local media reported about site visit and other issues. Not only the central government but also the local government has high expectation of the plan in Indonesia. The Workshop including local government officials was also held and opinions about Michinoeki were exchanged. IRE mainly asked NILIM about management method of Michinoeki.

In continuation, based on road map of research cooperation, they confirmed each other's research activity and discussed aim of future activity. In the discussion, IRE suggested that IRE would like to hold the Workshop and site visit in regard to Michinoeki which has been planned in Java.



Site Visit to the candidate site
of Smart Travelers plaza



Discussion of Michinoeki

• Discussion on Traffic Data Collection

In the Workshop at Jakarta on 29th February 2016, they discussed progress of research and future research plan. In the discussion, the IRE researchers reported that they made a guideline for installation of the equipment for observing images of traffic.

• Discussion and Site visit for pavement (AsButon Research Project)

IRE member and Japanese member discussed project road map for the next three years. Some interesting research topics were proposed by both members and selected some themes that are considered useful in Indonesia and Japan. As a result of discussion, Japanese member will provide some technical information to IRE regarding the modified asphalt, FWD calibration and so on.

From the next day, both members moved to Buton Island and visited AsButon center, Kabungka area and Lawele area as site visit. At that time, AsButon center was under construction but some of equipment and lecture rooms were used already. Japanese member advised that it would be better to use this center for quality control of AsButon material. Both sides confirmed that difference in characteristics of natural asphalt in both areas.



Discussion on AsButon Research Project



Member of AsButon Research Project



AsButon Center in Indonesia



Site Visit to Lawele Area

• Discussion and Site visit on Tunnel

PWRI and IRE have been creating "the guideline for auxiliary method of tunnel construction at mountain area". In this workshop, the discussion on content confirmation and correction of draft guideline were conducted.

Also, PWRI introduced "Overview of shield tunnel technology in Japan" because IRE is interested in impact on the surrounding area at the time of using construction method of shield tunnel. They conducted exchanging their opinions and site visit for shield tunnel technology. In site visit session, they visited construction site which was carried out by Japanese private company in Indonesia, and IRE was strongly interested in technology for shield tunnel of Japan.



Discussion for Tunnel Research



Site Visit to Construction Site
of Japanese private company

2. Reference (History of the Cooperation)

The National Institute for Land and Infrastructure Management (NILIM) and the Institute of Road Engineering (IRE) renewed cooperation arrangement in Indonesia, February 2014.

Under this agreement, NILIM and IRE have been continually sharing research information by jointly holding technical seminars and exchanging researchers to strengthen links between both research institutes and to form international human networks, thereby to contribute the growth of Indonesia.

2009.06	Pre-meeting in Jakarta and Bandung
2009.11	Tsukuba, Memorandum of Cooperation agreed
2010.03	Bandung, (1st Joint Workshop for targeting the themes)
2010.06	Tsukuba, joint meeting for Bali coming symposium
2010.10	International Symposium in Bali (2nd Joint Workshop to declare the strategy for cooperative researches)
2011.01	Jakarta, (3rd Joint Workshop to make the Road maps(1))
2011.06	Sulawesi, (4th Joint Workshop to make the Road maps(2) and site observation
2011.09	Technical Tour in Japan for modernizing experimental Equipment and Facilities of RDCRB (IRE)
2011.10	Lombok, (5th Joint Workshop / Bilateral Seminar)
2012.03	Jakarta and Bandung, (6th Joint Workshop including River and Water Resource issue)
2012.06	Batam, (7th Joint Workshop (Bridge/ Tunnel) and Open Seminar (Long Span Bridge and Tunnel Technology))
2012.06	Trilateral Workshop for the Interim Report in Tsukuba
2013.01	Jakarta, (8th Joint Workshop (Road Environment/ IPT/ Traffic Safety/ Pavement/ Tunnel)
2013.08	Padalarang-Bandung, (9th Joint Workshop (IPT/ Traffic Safety/ Pavement/ Tunnel))
2013.11	Tokyo, (10th Joint Workshop (Tunnel/ Pavement))
2014.02	Jakarta, Labuan Bajo and Denpasar, (Cooperation Arrangement renewed, 11th Joint Workshop (Road Side Station of Corridor 5/ Road Environment/ IPT/ Tunnel/ Pavement)
2014.03	Tsukuba, (12th Joint Workshop (Michinoeki/ Pavement))
2014.10	Jakarta, (13th Joint Workshop (Tunnel))
2014.11	Bali, Flores and Buton, (14th Joint Workshop (Road environment/ Road Side Station/ AsButon)
2016.02	Tsukuba, (15th Joint Workshop and Site visit (Pavement/ AsButon/ Road Side Station)