



**MINISTRY OF TRANSPORTATION
AGENCY OF RESEARCH DEVELOPMENT
ON TRANSPORTATION**



**TERM OF REFERENCE
INTERNATIONAL CONFERENCE OF
TRANSPORTATION RESEARCH AND
INNOVATION 2019**



TERMS OF REFERENCE

INTERNATIONAL CONFERENCE OF TRANSPORTATION RESEARCH AND INNOVATION

A. BACKGROUND

Transportation research activities have been conducted by many institutions or agencies. A lot of outputs of the research released and some of those have been implemented. Unfortunately, each research institute or agency conducts their research activity partially or based on sectoral agendas according to the problem that being their responsibility. Moreover, there is no coordination among stakeholders in doing transportation research activities. Research publication and dissemination still need to be improved since many results of research activities are not known by other research institutes or agencies. Those would make the complex transportation problems faced by Indonesia have not been fixed yet.

Agency of Research and Development on Transportation as a national government has an initiative to form a “Indonesia Transportation Research and Innovation Forum” that consists of all stakeholders related to transportation research. This forum is expected to formulate the national transportation research agendas that agreed by all parties and continuously become the reference of each institute or agency in implementing the research activities. Through this forum, it will synergize all research activities in transportation and it creates opportunities to have research collaborations. Interprofessional or interdisciplinary collaboration also may offer solutions to solve the complex transportation problems. Moreover, the synergy between each research institute can empower the research institute capacity.

To disseminate the results of transportation research among the stakeholders, Indonesia Transportation Research and Innovation Forum is held and it will continuously run every year. This forum has a function not only for coordination and communication media among stakeholders, but also for monitoring and evaluation the research agendas that have been arranged. In this forum, it also gives a chance to all transportation research institutes or agencies to show up their research product at the exhibition.

Considering the “National Transportation Research and Innovation Forum” has not been formed yet, the International Conference of Transportation Research and Innovation that would be held in this year has an important role to form the forum as well as to work out the national transportation research agenda. In detail, the International Conference of Transportation Research and Innovation 2019 has some programs and those are seminar, exhibition, workshop, and poster presentation. By this event, all the research progress of transportation in Indonesia could be knowing and mapping. In the other word, International Conference of Transportation Research and Innovation is an answer for communication and dissemination mechanism problems that have not been worked well yet as long as this way.

B. THEME

The theme of International Conference of Transportation Research and Innovation 2019 event is “Towards Integrated, Intelligent, and Sustainable Transportation”.

C. GOALS

The goals of International Conference of Transportation Research and Innovation 2019 event are:

1. As a communication media between stakeholders related to research activities and innovation of transportation in Indonesia;
2. Identifying and mapping the condition and position of research and innovation activities of transportation in Indonesia;
3. Forming the “National Transportation Research and Innovation Forum”;
4. Formulating the National Transportation Research Agenda.

D. OUTPUT

The expected outputs of the International Conference of Transportation Research and Innovation 2019 event are:

1. Proceeding and journal document;
2. Policy recommendation and strategic planning to the government related to transportation problems;
3. The forming of “National Transportation Research and Innovation Forum”;
4. The documents of national transportation research agenda that containing:
 - a. Indonesia Transportation Research Map;
 - b. Indonesia Transportation Vision 2040;
 - c. Indonesia Transportation Research Roadmap;
 - d. Transportation Research and Innovation Agenda.

E. PROGRAMS

1. Plenary Session

The output of *plenary session* is the macro concepts about transportation research in Indonesia. In this session will be invited international research institutes as well as national institutes represent a country or industrial sector in the field of transportation. The speakers of the plenary session are:

- a. Vice President Asian Development Bank (ADB) with the theme “Mainstreaming Sustainable Transportation Development in Indonesia”;
- b. Head of Research and Development Agency on Transportation with the theme “Transportation Research Positioning in Indonesia nowadays”;
- c. Head of National Research Board with the theme “Technology Development in Supporting National Transportation Research”;
- d. Transportation Research Board of America with the theme “Development and Management of National Transportation Research”;
- e. Minister of National Development Planning/Head of Bappenas with theme “Funding Support in Transportation Research and Development”;
- f. Hyundai Research Institute with the theme “Research Agenda for Future of Transportation System”;

- g. Director of PT. LEN Industry with theme “Research Development of Intelligent Transportation”;
- h. Director of PT. Dirgantara Indonesia with theme “Research Development to Enhance Competitiveness of Aviation Industry”;
- i. Head of IPERINDO with theme “Research Development to Enhance International Competitiveness of Shipping Industry”.

2. Seminar

The program of seminar is presenting research activities. There are two groups of researchers will present: 1) Individual/Group Researchers and 2) Researchers that represent research institutes or agencies.

- a. For the “Individual/Group Researchers”, it is named “Call for Papers”. The participants have to submit the abstracts at first and then the fulfilled requirement participants will be invited to submit the full papers.
- b. For the Researchers that represent research institutes or agencies, the topics are according to implementing research that has been done by them. The delivering topics will be determined by the Committee according to the mapping result.

3. Workshop

There are two sub session of workshops:

- a. Scientific Workshop, for discussing the transportation research activity for each research institute or agency programs that needs support from other research institute or agency of transportation. This workshop activity is expected for the opportunities of cooperation and collaboration between research institute or agency.
- b. Stakeholder Workshop, for discussing the form of “National Transportation Research and Innovation Forum” and National Transportation Research Agenda.

4. Exhibition

This is an exhibition of innovation and technology development and transportation management. Research institutes, industries and individual innovation are welcome to take part in this exhibition.

5. Poster

Delivering ideas or result of research in transportation in development.

6. Site Visit

Visiting MRT Jakarta.

F. KEYNOTE SPEAKERS

- 1. **Welcome Remarks** Minister of Transportation with theme “Transportation Connectivity for Sustainable Development”
- 2. **Opening Speech** Coordinating Minister for Maritime Affairs with theme “Supporting National Transportation Research for Acceleration Transportation Infrastructure”

3. **Keynote Speech** Minister of Research, Technology, and Higher Education with theme “Research and Innovation for Creating the Intelligent, Integrated, and Sustainable Transportation”

G. PARTICIPANTS

1. Research and Development Agency;
2. Research Institute of University;
3. Directorate and agency in Ministry of Transportation;
4. Regional Research and Development Agency (34 Province);
5. Regional Departement of Transportation (34 Province);
6. State-Owned Enterprises of Transportation;
7. Official Academy of Transportation Ministry;
8. Non-Ministry Governmental Institute (LPNK) related to the research activity of transportation;
9. Non-Governmental Research Insitute of Transportation;
10. Otomotive Industry;
11. Manufacture Industry related to transportation;
12. Transportation Operator Association;
13. Logistic Association;
14. Society Organization related to transportation.
15. Individual.

H. TOPICS OF SEMINAR OF CALL FOR PAPER

1. Integration and Transportation Management;
2. Intelligent and Sutainable Transportation;
3. Infrastructure and Transportation Technology;
4. Multimodal Transportation and Logistic.

I. REQUIREMENTS OF PARTICIPANT

1. Participant can submit more than 1 paper with same or different topic as an individual or a team. Maximum number of persons in a team is 3 people.
2. No charges for participants.
3. People who submit the paper according to the organizer form is considered as participant.

J. TIME AND PLACE

Time : 13th – 14th November 2019

Place : Shangri-La Hotel, Jakarta

K. TENTATIVE AGENDA

TIME SCHEDULE	ACTIVITY	LOCATION	NOTE
Tuesday, 13th November 2019			
15.00 – 21.00 WIB	Registration	Lobby	Committee
Wednesday, 14th November 2019			
08.00 – 08.30 WIB	Registration	Ballroom	Committee

TIME SCHEDULE	ACTIVITY	LOCATION	NOTE
08.30 – 08.40 WIB	Indonesian National Anthem and opening praying		Committee
08.40 – 08.50 WIB	Speech by Head of Research and Development Agency on Transportation		Head of Research and Development Agency on Transportation
08.50 – 09.00 WIB	Welcome Remarks with theme “Transportation Connectivity for Sustainable Development”		Minister of Transportation
09.00 – 09.10 WIB	Opening Speech with theme “Supporting National Transportation Research for Acceleration Transportation Infrastructure”		Coordinating Minister for Maritime Affairs
09.10 – 09.20 WIB	Photo Session		Committee
09.20 – 09.30 WIB	Keynote Speech with theme “Research and Innovation for Creating the Intelligent, Integrated, and Sustainable Transportation”		Minister of Research, Technology, and Higher Education
09.30 – 09.45 WIB	Coffee Break		Committee
09.45 – 10.00 WIB	Press Conference Exhibition Visit		Head of Data, Public Relation, and Publication Division and Team
1st Session: Plenary Session		Moderator: Dr. Gede Pasek Suardika, M.Sc.	
10.00 – 10.20 WIB	Mainstreaming Sustainable Transportation Development in Indonesia	Ballroom	Vice President ADB
10.20 – 10.40 WIB	Transportation Research Positioning in Indonesia nowadays		Head of Research and Development Agency on Transportation
10.40 – 11.00 WIB	Technology Development in Supporting National Transportation Research		Head of National Research Board
11.00 – 11.20 WIB	Development and Management of National Transportation Research		TRB – America
11.20 – 12.00 WIB	Discussion Session		
12.00 – 13.00 WIB	Lunch		
2nd Session: Plenary Session		Moderator: Dr. Elly Adriani Sinaga, M.Sc.	
13.00 – 13.25 WIB	Funding Support in Transportation Research and Development	Ballroom	Deputy for Development Funding
13.25 – 13.50 WIB	Research Agenda for Future of Transportation System		Hyundai Research Institute
13.50 – 14.15 WIB	Research Development of Intelligent Transportation		Director of PT. LEN Industry
14.15 – 14.50 WIB	Research Development to Enhance Competitiveness of Aviation Industry		Director PT. Dirgantara Indonesia
14.50 – 15.15 WIB	Research Development to Enhance International Competitiveness of Shipping Industry		Head of IPERINDO
15.15 – 15.45 WIB	Discussion Session		Moderator
15.45 – 16.00 WIB	Coffee break		Committee
16.00 – 16.30 WIB	Conclusion and Closing		Moderator

TIME SCHEDULE	ACTIVITY	LOCATION	NOTE
16.30 – 19.00 WIB	Break		
19.00 – 19.15 WIB	Welcome dinner speech		Head of Research and Development Agency on Transportation
19.15 – 21.00 WIB	Dinner		Dress Code: smart casual
21.00 WIB	Break		
Thursday, 14th November 2019			
Seminar (Call for Paper)			
08.00 – 08.30 WIB	Registration and Room Section		Committee
08.30 – 11.30 WIB	1st Theme: Integration and Transportation Management	Meeting Room I	General Participant Moderator: Head of Research and Development Center on Intermodal Transportation
	Question & Answer		Participant
	2nd Theme: Intelligent and Sustainable Transportation	Meeting Room II	General Participant Moderator: President ITS Indonesia
	Question & Answer		Participant
	3rd Theme: Infrastructure and Transportation Technology	Meeting Room III	General Participant Moderator: Head of the PUPR Toll Road Regulatory Agency (BPJT)
	Question & Answer		Participant
	4th Theme: Multimodal Transportation and Logistic	Meeting Room IV	General Participant Moderator: Head of Research and Development Center on Sea and Inland Waterways Transportation
	Question & Answer		Participant
Workshop: Transportation Research and Innovation Forum Discussion			
08.30 – 09.15 WIB	Forming the National Transportation Research and Innovation Forum	Meeting Room V	Moderator: Dr. Eng. Muhammad Isran Ramli, S.T., M.T. & Secretary of Agency
09.15 – 09.30 WIB	Coffee break		
09.30 – 10.30 WIB	Mapping the National Transportation Research		Participant
10.30 – 11.30 WIB	Arranging the Transportation Research Agenda (Roadmap)		Participant
Closing			
11.30 – 11.40 WIB	Declaration of Final Summary	Ballroom	Dr. Eng. Muhammad Isran Ramli, S.T., M.T.
11.40 – 11.50 WIB	Announcement of the best presenter and poster		Head of Research and Development Agency on Transportation

TIME SCHEDULE	ACTIVITY	LOCATION	NOTE
11.50 – 12.00 WIB	Closing Statement		Head of Research and Development Agency on Transportation
12.00 – 13.00 WIB	Lunch		Participant
Site Visit			
13.00 – 13.30 WIB	Preparation for site visit		Committee
13.30 – 17.00 WIB	Site visit to MRT Jakarta		Committee
17.00 WIB	Back to Hotel		Committee

L. CLOSING

That's what the terms of reference of international Conference of Transportation Research and Innovation 2019 has been made as the reference of activity implementation.