

AE3240 Sistem Transportasi Udara


Air Transport:
An Introduction

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Safety Protocols




Warning System



Exit Routes



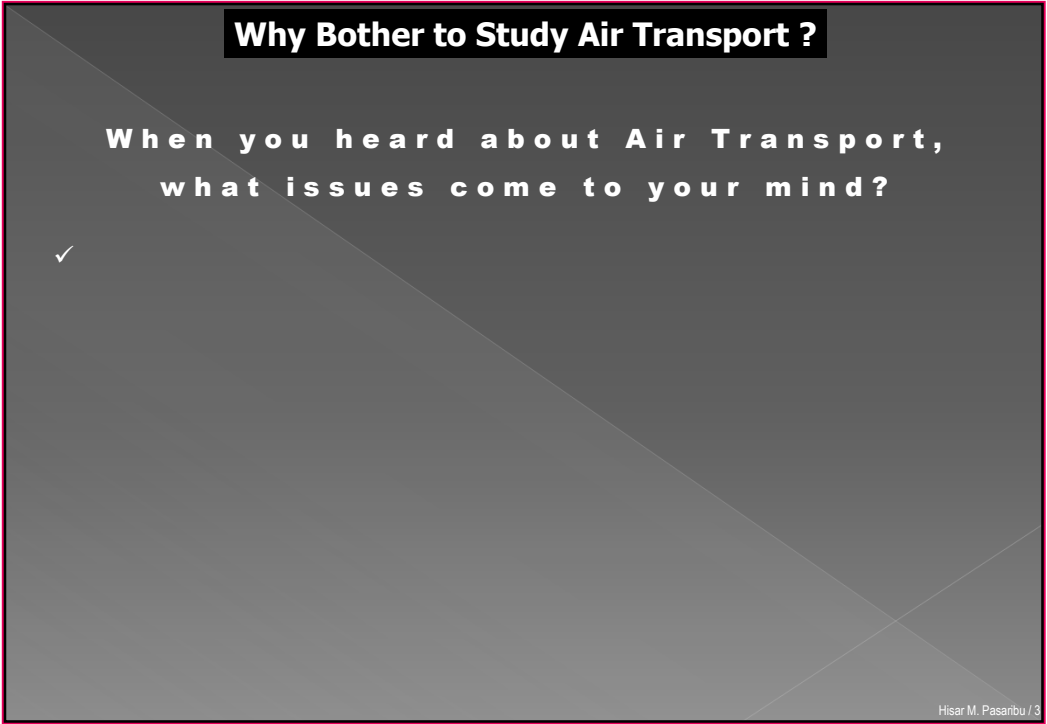
Safe Areas



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Course Outcomes

- A. Ability to acquire and apply fundamental principles of mathematics, science, and astronautics and astronautics to identify, formulate and solve the problems of design and operation of aircraft based on a system approach.
- B. Ability to design and perform experiments, and ability to analyze and interpret data.**
- C. Ability to design a component, system or process for a need in the field of aeronautics and astronautics.**
- D. Ability to work effectively as an individual and as a leader/member in multidisciplinary/multicultural team.
- E. Ability to make use of methods, skills and modern engineering equipment required for an engineering work.**
- F. Understanding and commitment to professional and ethical responsibility.

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Course Outcomes

- G. Ability to communicate effectively, in oral, graphical, and written form, in Bahasa Indonesia and English.**
- H. Understanding of the importance of sustainability and cost-effectiveness in design and development of engineering solutions.
- I. Capability and enthusiasm for self-improvement through continuous professional development and life-long learning.
- J. Awareness of the social-, cultural-, global and environmental responsibilities as an engineer.**
- K. Ability to be a multi-skilled engineer with good technical knowledge, management, leadership and entrepreneurial skills.

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Why Bother to Study Air Transport ?

What I expect you to learn from this course

- You **understand the dynamics** of the air transport business and operations,
- You can **explain** clearly **the role of government** and international **regulators** in setting the operating environment for the air transport industry,
- You are able to **describe** the pertinent air transport **regulations** and to **explain** their **influences** to the business and operations of air transport,
- You **understand the role of planning** in airline business and are **able to perform** some of the analyses required in airline planning,
- You are **able to carry out** an **airline market study** using a proven methodology,
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Why Bother to Study Air Transport ?

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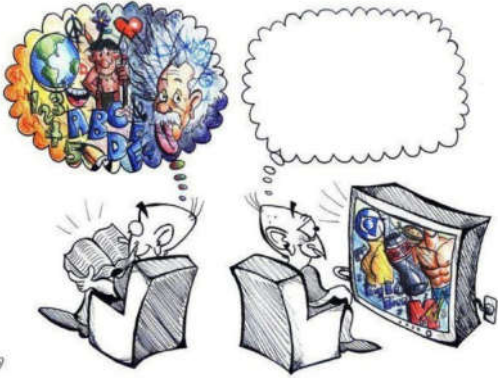
- You **understand the basic considerations** for aircraft selection and can perform an aircraft analysis for a specific route and or network,
- You can **explain** the fundamental **considerations for a route and network development**,
- You **understand the basic structure of airline costs** and **revenues** and are able to explain the underlying principles for such composition,
- You **understand the problems and challenges** in **airport business and operations** related to aircraft and airline operations,
- You can **explain** the general **principles for air traffic management**,
- You can **explain** the **role of aircraft maintenance** in supporting a safe and efficient air transport operation,


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Air Transport Study : References

The **MORE** that you **READ**,
the more **THINGS** you will **KNOW**.
The **MORE** you **LEARN**,
the more **PLACES** you'll **GO**!
~ Dr. Seuss





"I live in two worlds,
one is a world of books."
-Rory Gilmore

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Air Transport Study : References

Sistem Transportasi Udara
Diktat Kuliah

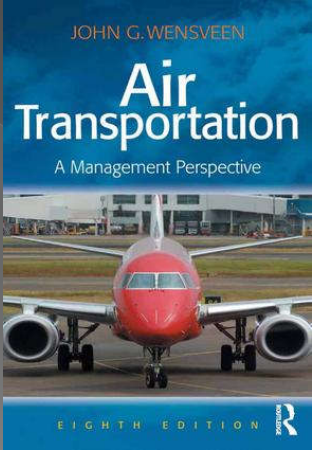
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Penerbit ITB

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*Diktat Sistem
Transportasi Udara*

JOHN G. WENSVEEN

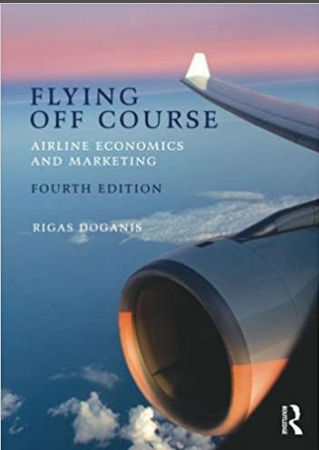
**Air
Transportation**
A Management Perspective



EIGHTH EDITION

John G. Wensveen
*Air Transportation –
A Management
Perspective*

FLYING
OFF COURSE
AIRLINE ECONOMICS
AND MARKETING
FOURTH EDITION
RIGAS DOGANIS



Rigas Doganis
*Flying Off-Course: Airline
Economics and
Marketing*

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Performance Measurement

How is your performance measured?

• Quiz	3 times	10%
• Assignments	5 times	40%
• Tests	2 times	50%

Attendance does not count but help you obtain a better understanding of the courses

- Do not be late for classes
- Time allowance for on-time attendance is 15 minutes

Dress code:

- Formal dress
- No sandals allowed

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AE3270
Air Transport



Do your homework and assignments individually as well as in cooperative learning environment



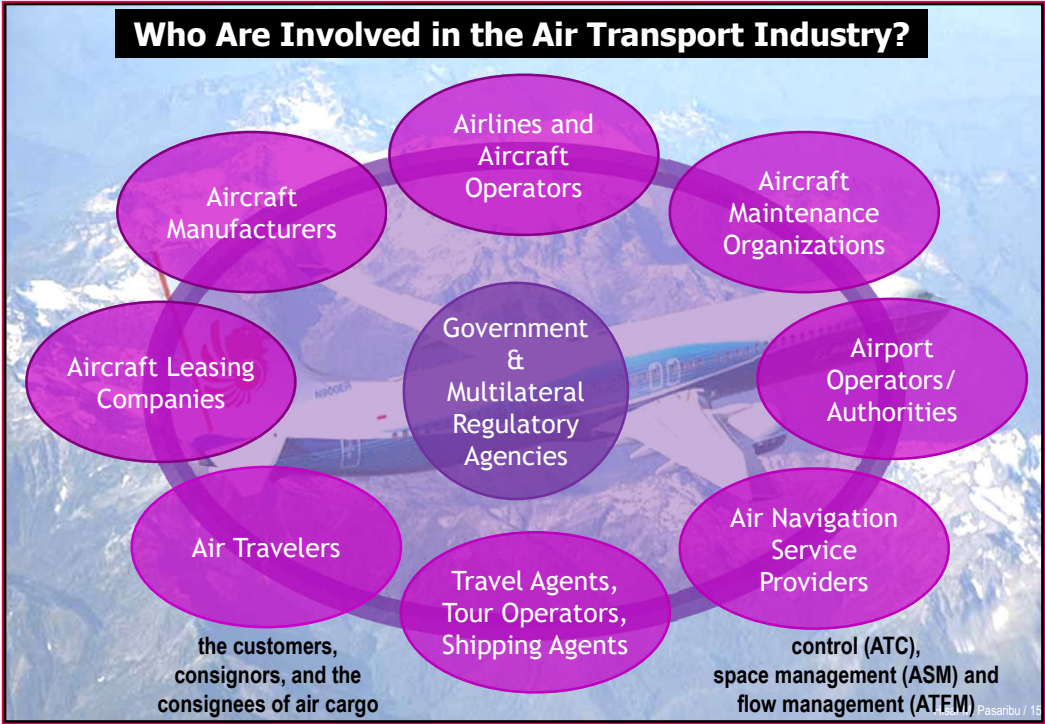
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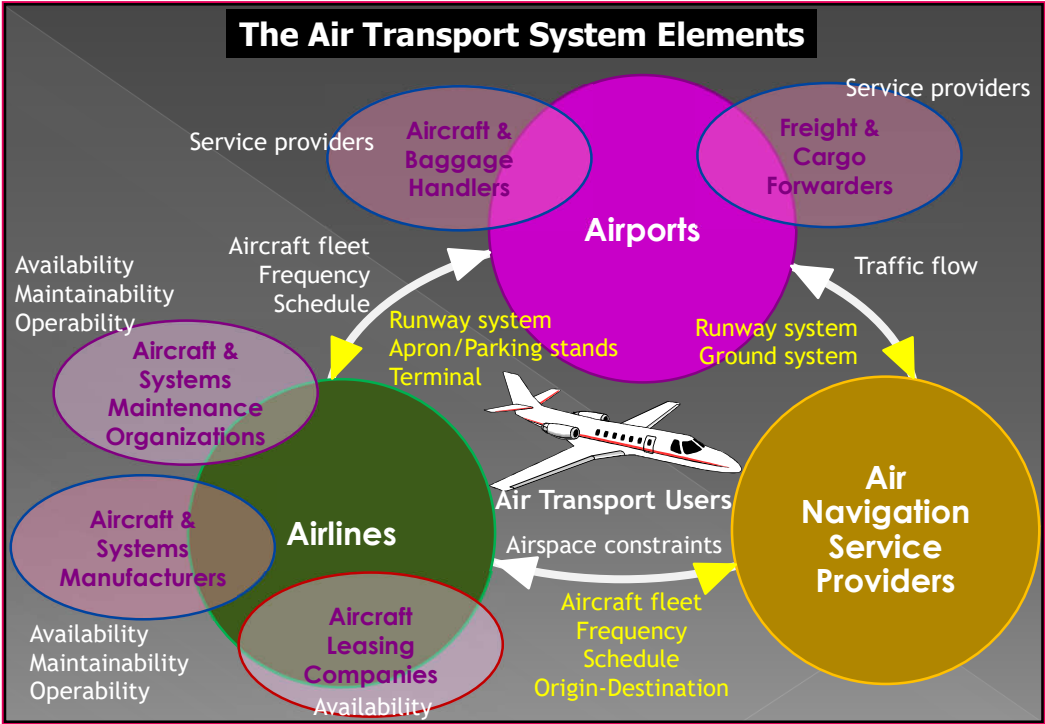
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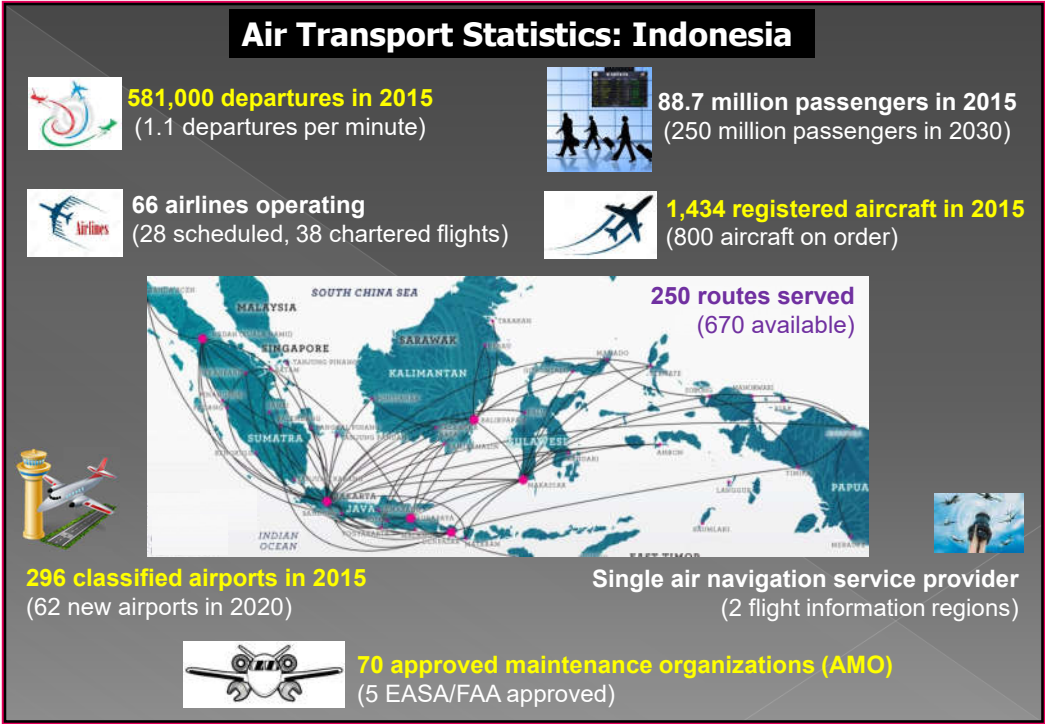
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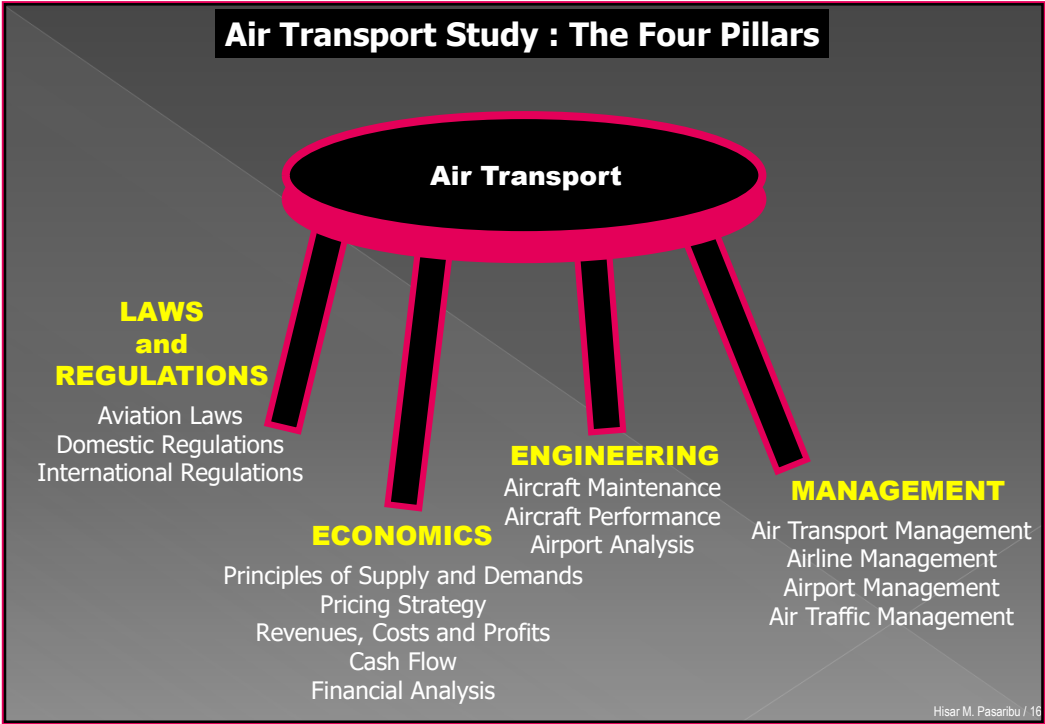
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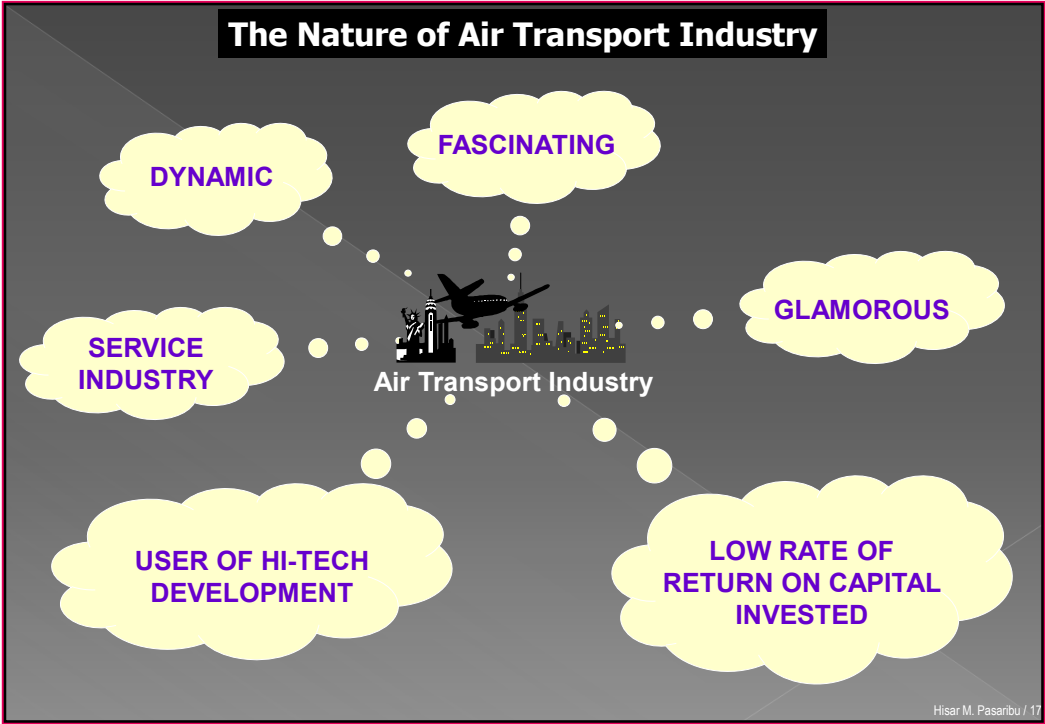
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10 Reasons Why Airline Industry Is Unique

A capital intensive industry with high fixed costs

Low profitability

High vulnerability to the state of the economy

Nationalization of Airlines

Frequent bailouts or bankruptcies

High barrier to entry and regulations in the markets

Low switching costs for customers

Being central to ‘globalization’

Unprecedented safety concerns

Alliances and optimization

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Air Transport Industry News Flash

Bloomberg

Asian Airline Shares Rally to Highest in Two Years as Oil Slumps

By Katherine Park and David Fickling

Oil prices have slumped to their lowest level in more than two years, boosting Asian airline shares.

Qantas Airways Ltd. (QAN)

Qantas Airways Ltd. (QAN) Australia's largest carrier, plunged to a record low in Sydney trading after saying annual profit may fall as much as 91 percent because of losses on overseas routes and higher fuel costs.

THE WALL STREET JOURNAL

Airbus Snags Asia Deal

Indonesia's Lion Air Orders 734 Jets From European Plane Maker

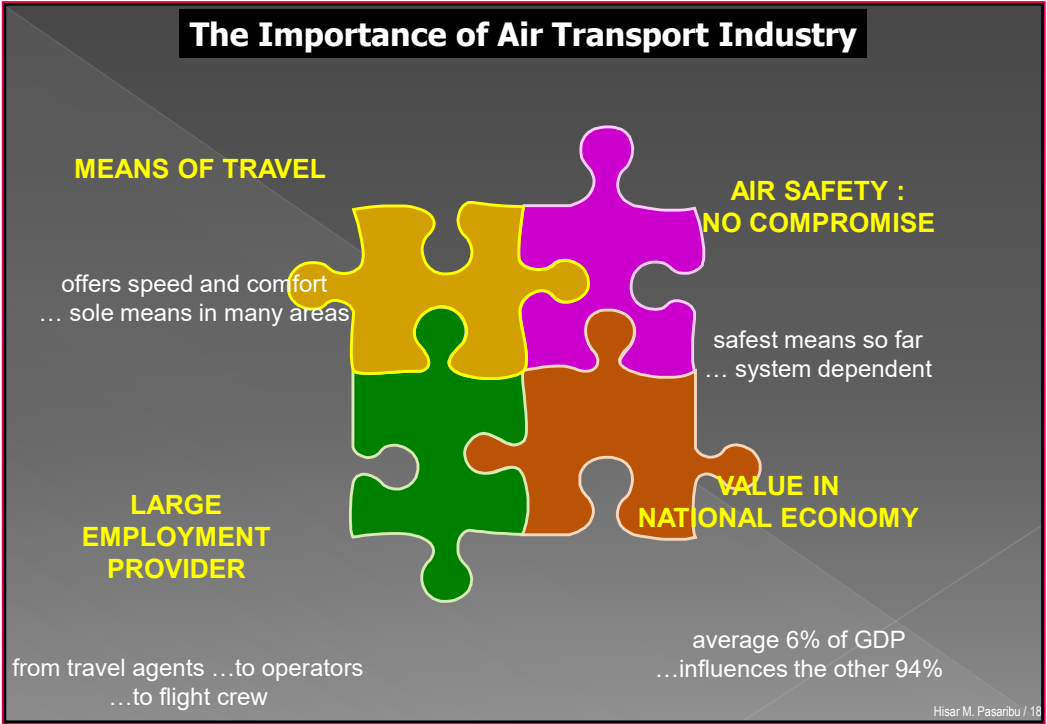
By DANIEL MCGRAW and GABRIEL HARRISON

Indonesian airline group Garuda Indonesia has ordered 734 Airbus A320neo aircraft, the largest order in the company's history.

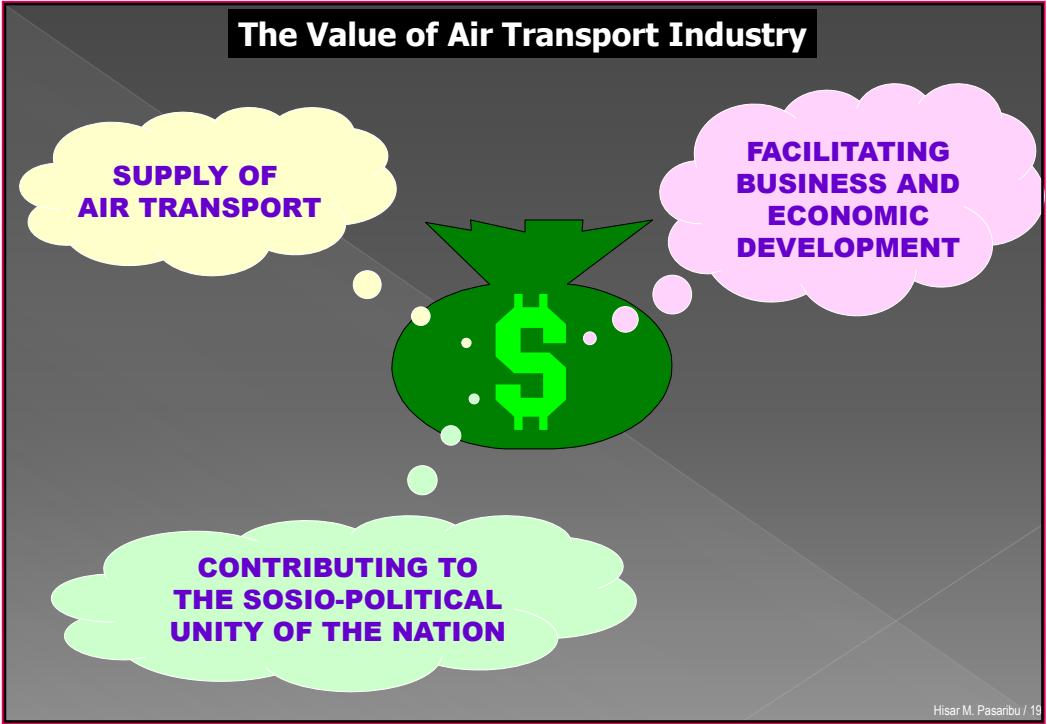
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