

AE3240 Sistem Transportasi Udara

Air Transport: An Introduction

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Safety Protocols



Warning System



Exit Routes



Safe Areas

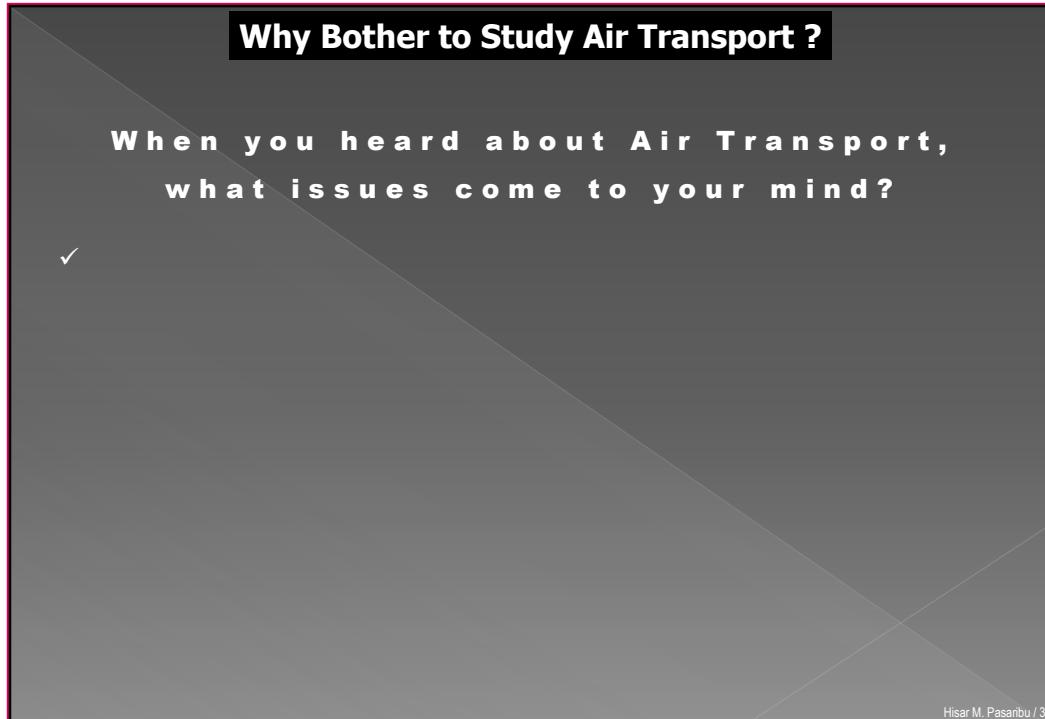


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Course Outcomes

- A. Ability to acquire and apply fundamental principles of mathematics, science, and aeronautics 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 ?

What I expect you to learn from this course . . .

- 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

JOHN G. WENSVEN
Air Transportation
A Management Perspective

EIGHTH EDITION

RIGAS DOGANIS
Flying Off Course: Airline Economics and Marketing
FOURTH EDITION

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Diktat Sistem Transportasi Udara

John G. Wensven
Air Transportation – A Management Perspective

Rigas Doganis
Flying Off-Course: Airline Economics and Marketing

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Air Transport Study : References

Charles F. Banfe
Airline Management

Margaret Arblaster
Air Traffic Management
economics, regulation and governance

Rigas Doganis
The Airport Business

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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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How to Get an A in Air Transport

Attend the classes regularly



Prepare yourself prior to classes



Be pro-active. If in doubt, ask!



Remember:
The only stupid question is the one not asked

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



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An Introduction to Air Transport Industry

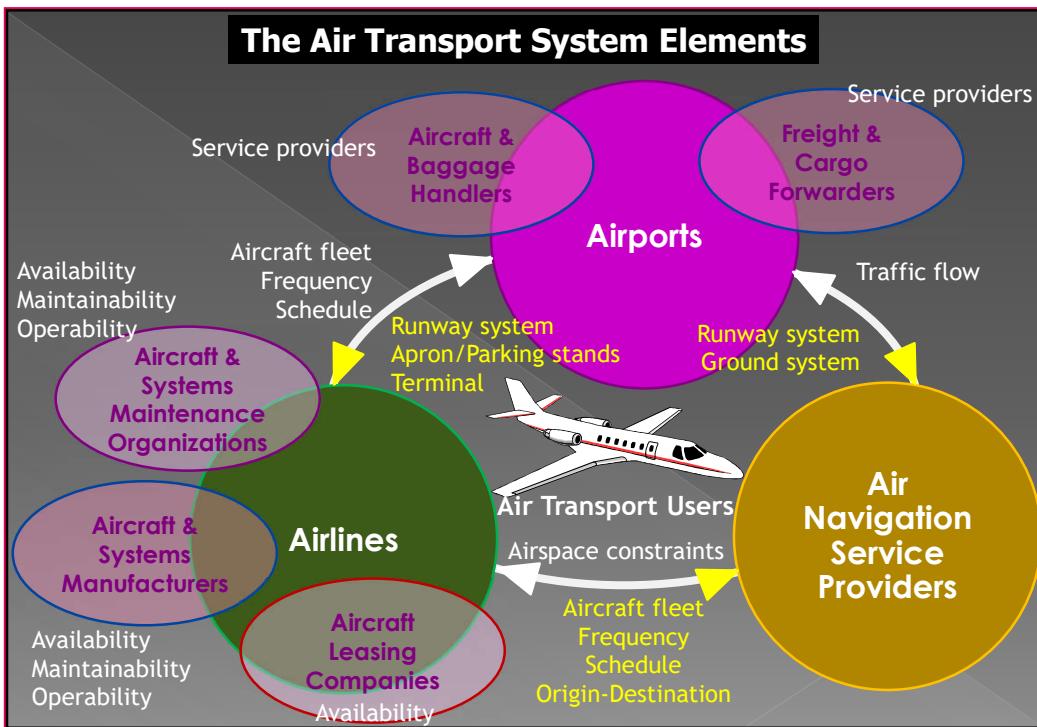
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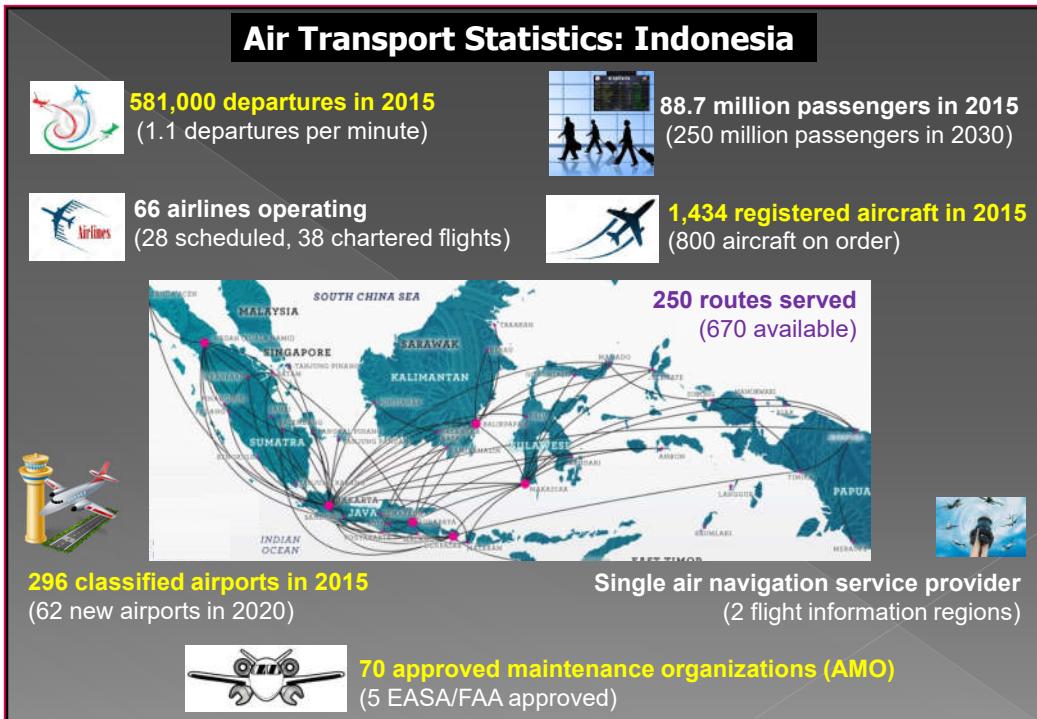
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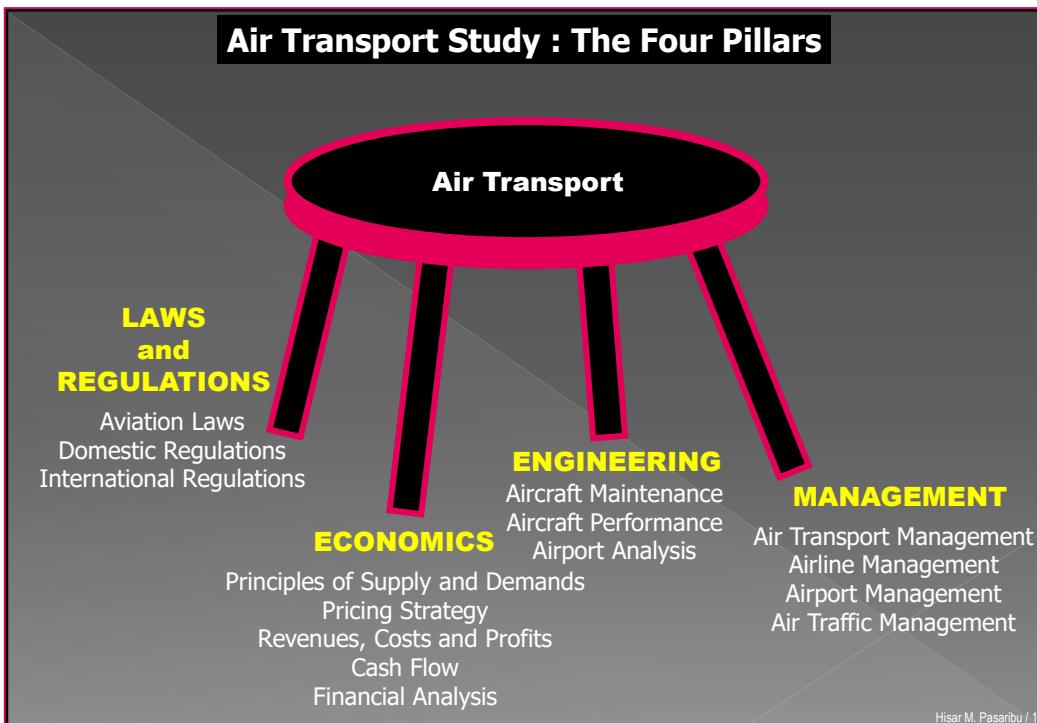
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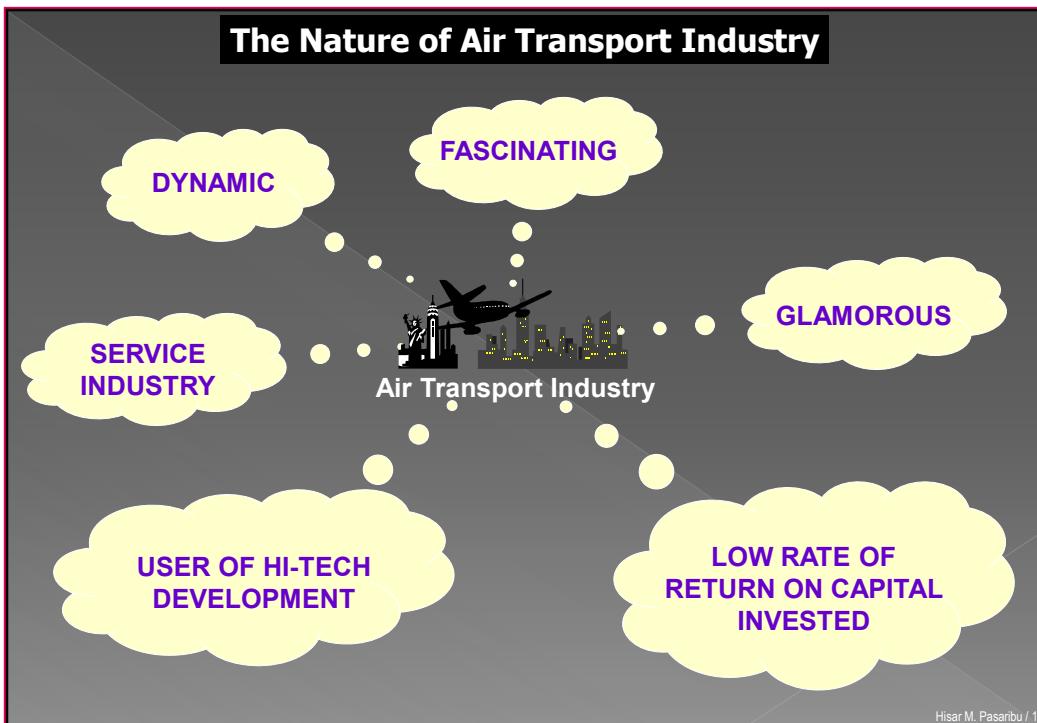
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10 Reasons Why Airline Industry Is Unique

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

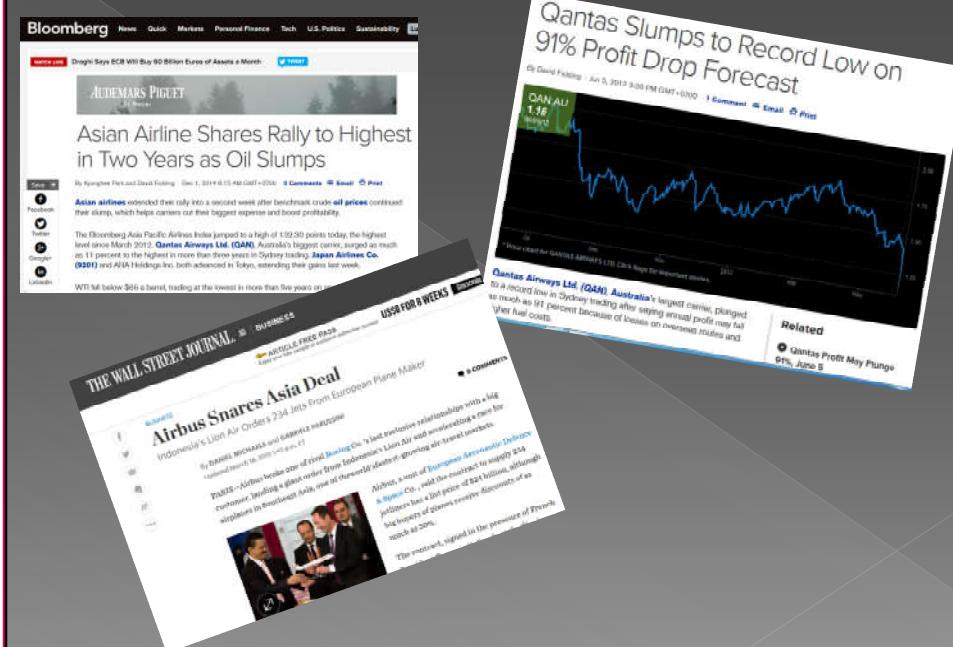
Low switching costs for customers

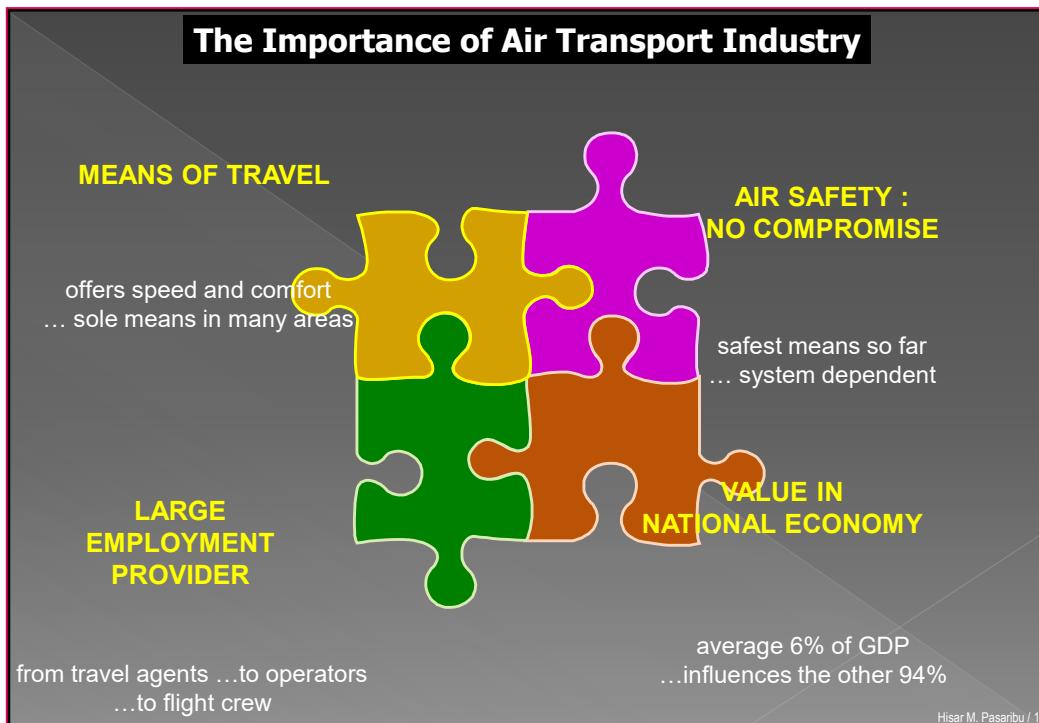
Being central to ‘globalization’

Unprecedented safety concerns

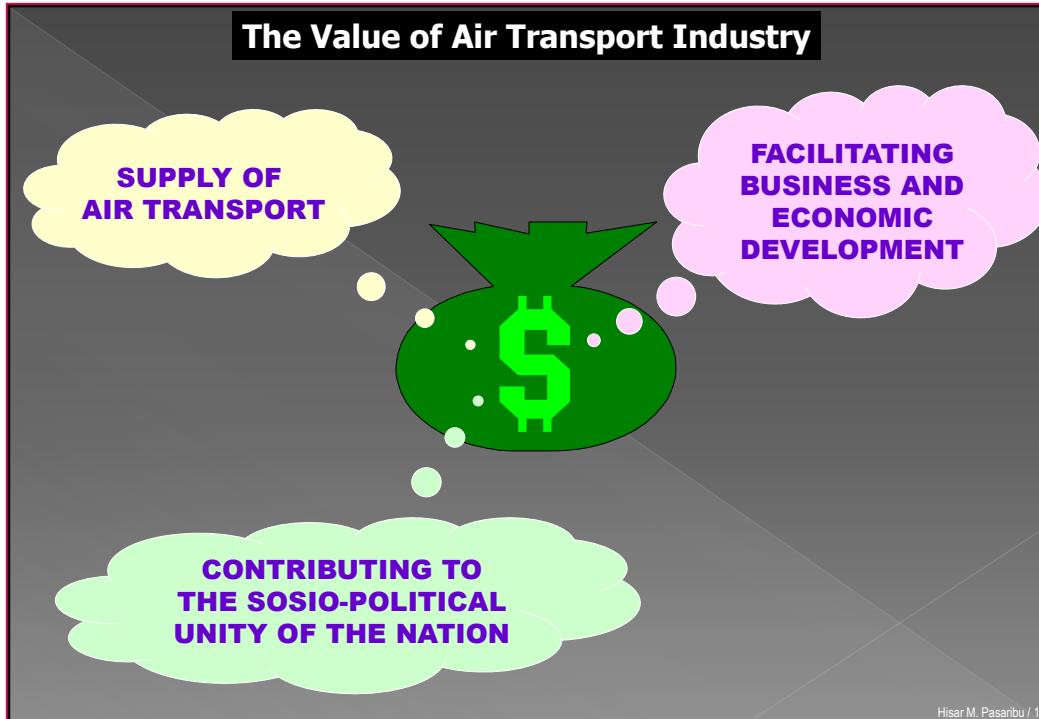
Alliances and optimization

Air Transport Industry News Flash

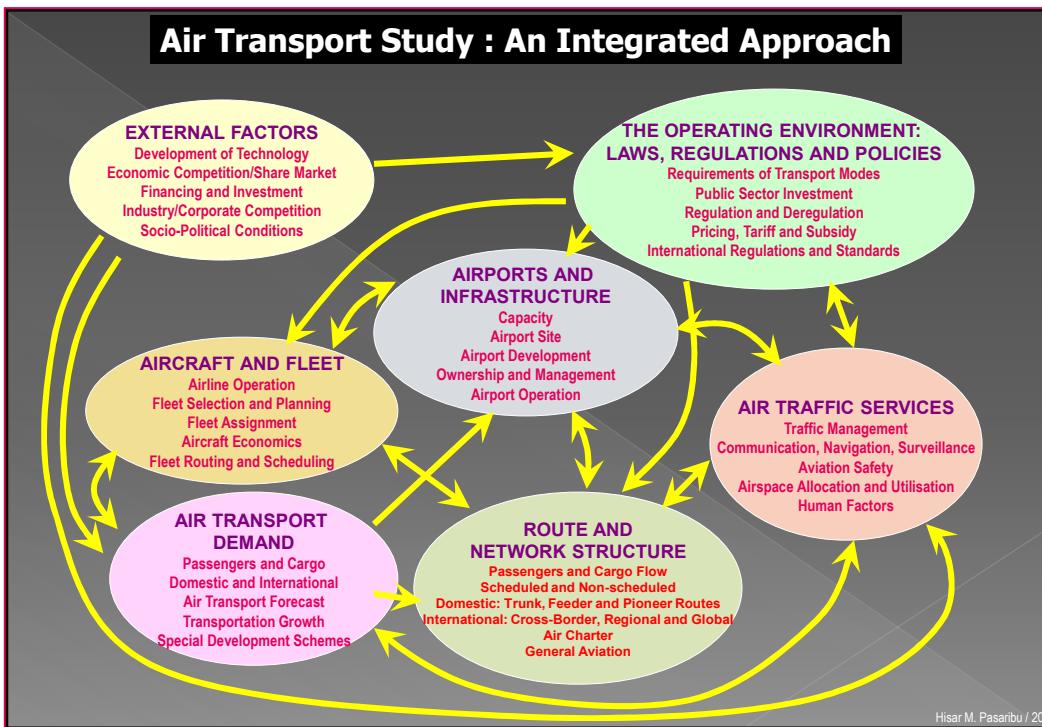




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