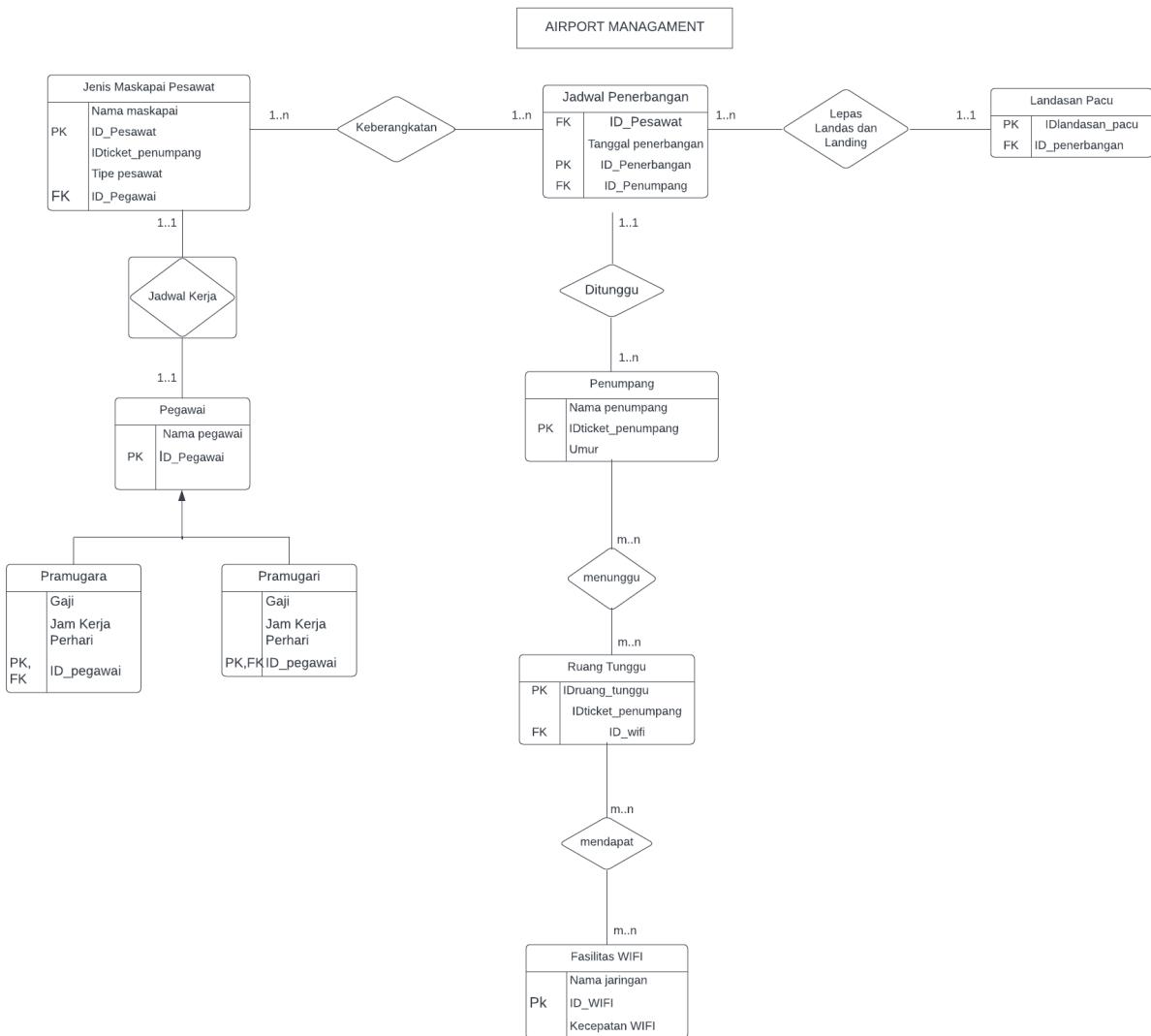


**TUGAS BESAR PBD**  
**KELOMPOK 2**  
**DS – 45 – 05**  
**AIRPORT MANAGEMENT**

Osa Nastiar Maulani – 1305210055

Widha Dwiyanti – 1305213019



## 1. Create Table

### a. Table jadwal\_penerbangan

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • SELECT * FROM airport_management.jadwal_penerbangan;
```

The results are displayed in a grid:

IDpenerbangan	tanggal_penerbangan	IDpesawat	IDpenumpang
111GRI	2022-12-18	GI300523	IT1234
211QTA	2022-12-20	QA130511	IT1235
212SGA	2022-12-21	SA609089	IT1112
343HNA	2022-12-27	HA778899	IT1230
655CTL	2022-12-24	CT456789	IT1237
777LNA	2022-12-28	LA171202	IT1220
877SJA	2022-12-25	SJ674523	IT1238
888ETA	2022-12-23	ET222890	IT1236
908EMR	2022-12-22	EM569875	IT1211
999AAA	2022-12-26	AA980798	IT1239
HULL	HULL	HULL	HULL

The sidebar on the right contains icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

### b. Table jenis\_maskapai

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • SELECT * FROM airport_management.jenis_maskapai;
```

The results are displayed in a grid:

IDpesawat	nama_maskapai	tipe_pesawat	IDpegawai	idticket_penumpa...
AA980798	Air Asia	AirbusA330	GP0090	IT1239
CT456789	Citilink	Boeing787	GW1712	IT1237
EM569875	Emirates	AirbusA330	GP1237	IT1211
ET222890	Ethihad Airways	AirbusA321	GW3005	IT1236
GI300523	Garuda Indonesia	Boeing737	GW1234	IT1234
HA778899	Hainan Airlines	Boeing777	GP0098	IT1230
LA171202	Lion Air	AirbusA330	GP7686	IT1220
QA130511	Qatar Airways	Boeing737	GW1235	IT1235
SA609089	Singapore Airlines	Boeing777	GP1236	IT1112
SJ674523	Super Air Jet	ATR72	GW2002	IT1238
HULL	HULL	HULL	HULL	HULL

The sidebar on the right contains icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

c. Table landasan\_pacu

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • SELECT * FROM airport_management.landasan_pacu;
```

The results are displayed in a grid:

IDlandasan_pacu	IDpenerbangan
IL1231	111GRI
IL1232	211QTA
IL1233	212SGA
IL1239	343HNA
IL1236	655CTL
IL1240	777LNA
IL1237	877SJA
IL1235	888ETA
IL1234	908EMR
IL1238	999AAA
NULL	NULL

The sidebar on the right contains icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

d. Table pegawai

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • SELECT * FROM airport_management.pegawai;
```

The results are displayed in a grid:

IDpegawai	namapegawai
GP0090	Alfredo Shein
GP0098	Daffa Iram
GP1230	Komar Adly
GP1231	Gavin Jovan
GP1236	Imam Akbar
GP1237	Andi Roger
GP1239	Melvino Fatan
GP5676	Jeffri Nicho
GP7666	Hafizh Alexa
GP8978	Rizki Wira
GW1232	Egi Dhea
GW1233	Latifa Firdaus
GW1234	Widha Dwiy...
GW1235	Osa Nastiar
GW1238	Thalia Guna...
GW1712	Kanaya Mev...
GW2002	Faradilla Chen
GW2003	Tazkia Joana
GW3005	Gabriella Die...
GW7896	Hasna Raiha...
NULL	NULL

The sidebar on the right contains icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

e. Table penumpang

The screenshot shows a MySQL Workbench interface with the following details:

- Toolbar:** Includes standard icons for file operations, search, and database management.
- Query Editor:** The query entered is `SELECT * FROM airport_management.penumpang;`.
- Result Grid:** The results are displayed in a tabular format with the following data:

IDticket_penumpang	nama_penumpang	umur_penumpang
IT1112	Iram Athena	19
IT1211	Nada Anisa	35
IT1220	Oliver Swan	27
IT1230	Eliza Emran	26
IT1234	Jesse Kalvan	21
IT1235	Keiza Levronka	22
IT1236	Rendi Alexander	25
IT1237	Kanisa Renanda	40
IT1238	Emily Rezatta	20
IT1239	Renatta Malik	18

**Right Panel:** Contains several tabs for managing the current connection:

- Result Grid
- Form Editor
- Field Types
- Query Stats
- Execution Plan

**Bottom Navigation:** Buttons for **Apply** and **Revert**.

#### f. Table pramugara

The screenshot shows a MySQL Workbench interface with a query editor and a results grid.

Query Editor:

```
1 • SELECT * FROM airport_management.pramugara;
```

Results Grid:

IDpegawai	jamkerja	gaji
GP0090	4	10000000
GP0098	6	11000000
GP1230	5	11000000
GP1231	8	14000000
GP1236	5	11000000
GP1237	7	13000000
GP1239	4	10000000
GP5676	11	17000000
GP7666	6	12000000
GP8978	9	15000000
NULL	NULL	NULL

Toolbar icons include: file, edit, search, refresh, and others. A sidebar on the right contains links to Form Editor, Field Types, Query Stats, and Execution Plan.

g. Table pramugari

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • | SELECT * FROM airport_management.pramugari;
```

The results are displayed in a grid:

IDpegawai	gaji	jamkerja
GW1232	13000000	7
GW1233	11000000	5
GW1234	12000000	6
GW1235	12000000	6
GW1236	10000000	4
GW1712	15000000	9
GW2002	11000000	5
GW2003	18000000	12
GW3005	14000000	8
GW7896	13000000	7
NULL	NULL	NULL

The status bar at the bottom left says "pramugari 1". On the right side, there is a vertical toolbar with icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

h. Table ruang\_tunggu

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
1 • | SELECT * FROM airport_management.ruang_tunggu;
```

The results are displayed in a grid:

IDruang_tunggu	IDticket_penumpang	Idwifi
IR123	IT1234	NT234000
IR124	IT1235	FH900987
IR125	IT1112	MN898211
IR126	IT1211	IM877765
IR127	IT1236	IH200111
IR128	IT1237	MT100222
IR129	IT1238	BY233345
IR130	IT1239	MA600657
IR131	IT1230	RQ218789
IR132	IT1220	FM000999
NULL	NULL	NULL

The status bar at the bottom left says "ruang\_tunggu 1". On the right side, there is a vertical toolbar with icons for Result Grid, Form Editor, Field Types, Query Stats, and Execution Plan.

### i. Table wifi

1 • SELECT \* FROM airport\_management.wifi;

100% 1:1

**Result Grid** Filter Rows:  Search Edit: Export/Import:

IDwifi	nama_jaringan	kecepatan_wifi
BY233345	Byu	2mbps
FH900987	Firhost	2mbps
FM000999	Firstmedia	2mbps
IH200111	Indihome	5mbps
IM877765	Indimedia	2mbps
MA600657	Medialexa	2mbps
MN898211	Mynet	10mbps
MT100222	Mytsel	10mbps
NT234000	Net	5mbps
RQ218789	Requel	10mbps
NULL	NULL	NULL

wifi 1

Apply Revert

Result Grid Form Editor Field Types Query Stats Execution Plan

## 2. Query One Table

Limit to 1000 rows

```
1 • select * from jadwal_penerbangan;
2 • select * from jenis_maskapai;
3 • select * from penumpang;
```

Result Grid

IDpenerbangan	tanggal_penerbangan	IDpesawat	IDpenumpang
111GRI	2022-12-18	GI300523	IT1234
211QTA	2022-12-20	QA130511	IT1235
212SGA	2022-12-21	SA609089	IT1112
343HNA	2022-12-27	HA778899	IT1230
655CTL	2022-12-24	CT456789	IT1237
777LNA	2022-12-28	LA171202	IT1220
877SJA	2022-12-25	SJ674523	IT1238
888ETA	2022-12-23	ET222890	IT1236
908EMR	2022-12-22	EM569875	IT1211
999AAA	2022-12-26	AA980798	IT1239
NULL	NULL	NULL	NULL

Result Grid

IDpesawat	nama_maskapai	tipe_pesawat	IDpegawai	IDTicket_penumpang
AA980798	Air Asia	AirbusA330	GP0090	IT1239
CT456789	Citilink	Boeing787	GW1712	IT1237
EM569875	Emirates	AirbusA330	GP1237	IT1211
ET222890	Etihad Airways	AirbusA321	GW3005	IT1236
GI300523	Garuda Indonesia	Boeing737	GW1234	IT1234
HA778899	Hainan Airlines	Boeing777	GP0098	IT1230
LA171202	Lion Air	AirbusA330	GP7666	IT1220
QA130511	Qatar Airways	Boeing737	GW1235	IT1235
SA609089	Singapore Airlines	Boeing777	GP1236	IT1112
SJ674523	Super Air Jet	ATR72	GW2002	IT1238

```
3 • select * from penumpang;
```

100% 25:3

Result Grid Filter Rows: Search Edit: Export/Import:

IDticket_penumpang	nama_penumpang	umur_penumpang
IT1112	Iram Athena	19
IT1211	Nada Anisa	35
IT1220	Oliver Swan	27
IT1230	Eliza Emran	26
IT1234	Jesse Kaiyan	21
IT1235	Keiza Levronka	22
IT1236	Rendi Alexander	25
IT1237	Kanisa Renanda	40
IT1238	Emily Rezatta	20
IT1239	Renatta Malik	18

Penjelasan :

Menampilkan table dari jadwal\_penerbangan.

Menampilkan table dari jenis\_maskapai

Menampilkan table dari penumpang.

### 3. Query Agregate

```
1 • select MAX(gaji) AS gaji_tertinggi_pramugara
2   from pramugara
3
```

100% 1:3

Result Grid Filter Rows: Search Export:

gaji_tertinggi_pramugara
1700000

Penjelasan :

Menampilkan gaji tertinggi yang didapatkan pramugara.

A screenshot of the MySQL Workbench interface. The SQL editor window shows the following query:

```
1 • select MIN(gaji) AS gaji_terendah_pramugari
2   from pramugari
```

The result grid displays one row with the column name "gaji\_terendah\_pramugari" and the value "1000000". The interface includes standard database navigation tools like back, forward, and search, along with export options.

Penjelasan :

Menampilkan gaji terendah yang didapatkan oleh pramugari.

A screenshot of the MySQL Workbench interface. The SQL editor window shows the following query:

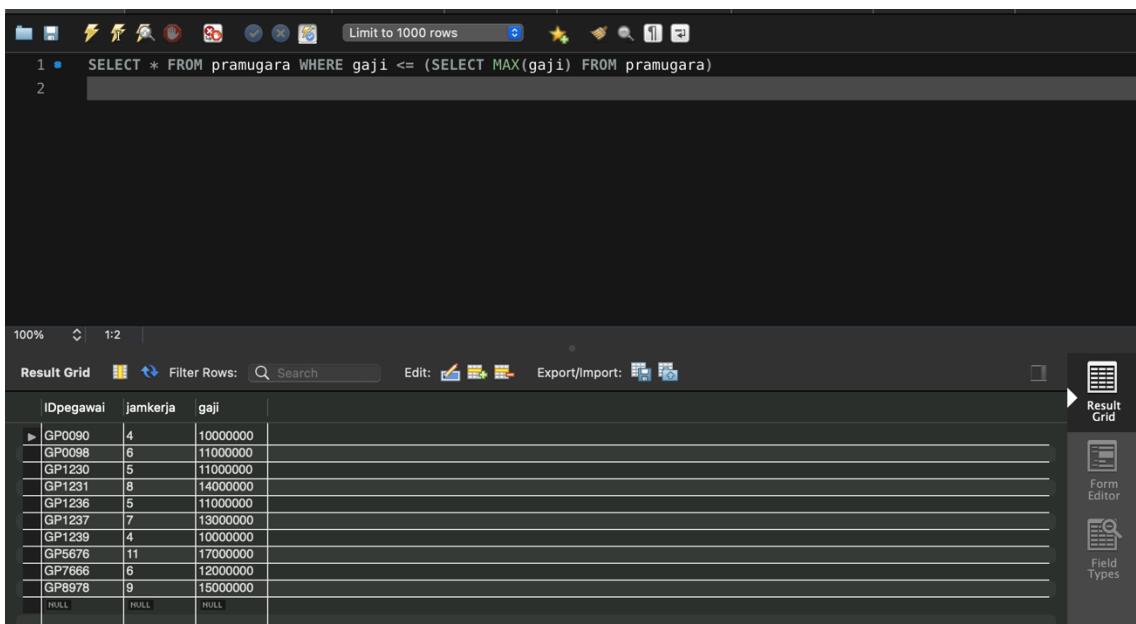
```
1 • select COUNT(*) AS jumlah_pegawai
2   from pegawai
```

The result grid displays one row with the column name "jumlah\_pegawai" and the value "20". The interface includes standard database navigation tools like back, forward, and search, along with export options.

Penjelasan :

Menampilkan table yang sudah berhasil menghitung jumlah pegawai.

#### 4. Subquery



The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

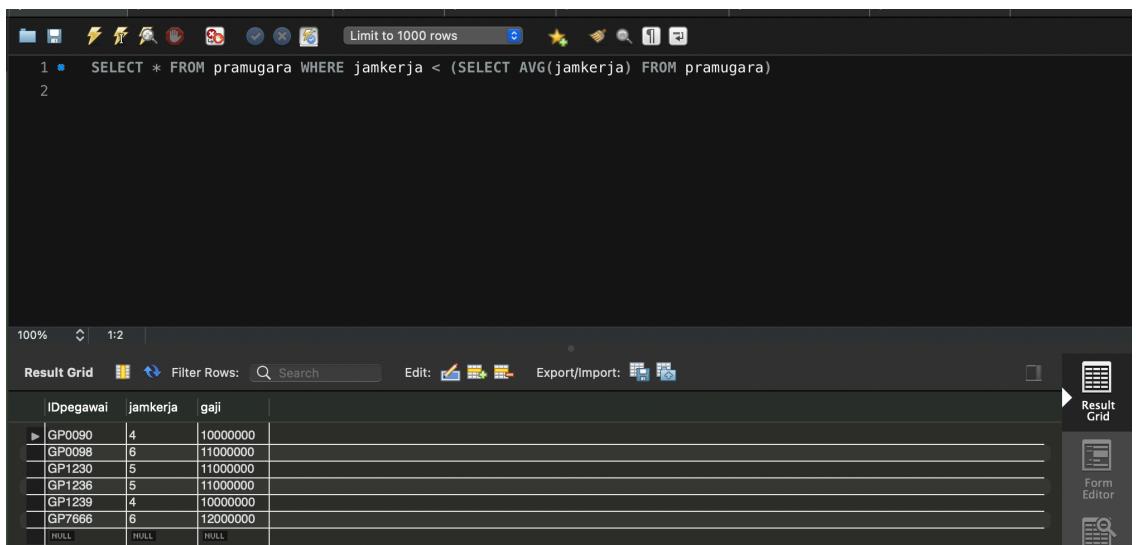
```
1 •  SELECT * FROM pramugara WHERE gaji <= (SELECT MAX(gaji) FROM pramugara)
```

The results grid displays the following data:

IDpegawai	jamkerja	gaji
GP0090	4	10000000
GP098	6	11000000
GP1230	5	11000000
GP1231	8	14000000
GP1236	5	11000000
GP1237	7	13000000
GP1239	4	10000000
GP5676	11	17000000
GP7666	6	12000000
GP8978	9	15000000
NULL	NULL	NULL

Penjelasan :

Menampilkan dari table pramugara dimana gaji kurang dari sama dengan gaji maksimum.



The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
1 •  SELECT * FROM pramugara WHERE jamkerja < (SELECT AVG(jamkerja) FROM pramugara)
```

The results grid displays the following data:

IDpegawai	jamkerja	gaji
GP0090	4	10000000
GP098	6	11000000
GP1230	5	11000000
GP1236	5	11000000
GP1239	4	10000000
GP7666	6	12000000
NULL	NULL	NULL

Penjelasan :

Menampilkan dari pramugara dimana jam\_kerja kurang dari rata – rata.

## 5. Query Join

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
1 • select * from jadwal_penerbangan  
2     inner join penumpang on jadwal_penerbangan.IDpenumpang=penumpang.IDticket_penumpang  
3
```

The results grid displays the joined data from both tables. The columns are:

IDpenerbangan	tanggal_penerbangan	IDpesawat	IDpenumpang	IDticket_penumpang	nama_penumpang	umur_penumpang
111GRI	2022-12-18	GI30052	IT1234	IT1234	Jesse Kalvan	21
211QTA	2022-12-20	QA130511	IT1235	IT1235	Keiza Levronka	22
212SGA	2022-12-21	SA609089	IT1112	IT1112	Iram Athena	19
343HNA	2022-12-27	HA778899	IT1230	IT1230	Eliza Emran	26
655CTL	2022-12-24	CT456789	IT1237	IT1237	Karisa Renanda	40
777LNA	2022-12-28	LA171202	IT1220	IT1220	Oliver Swan	27
877SJA	2022-12-25	SJ674523	IT1238	IT1238	Emily Rezatta	20
888ETA	2022-12-23	ET222890	IT1236	IT1236	Rendi Alexander	25
908EMR	2022-12-22	EM569875	IT1211	IT1211	Nada Anisa	35
999AAA	2022-12-26	AA980798	IT1239	IT1239	Renatta Malik	18

Penjelasan :

Menggabungkan beberapa kolom antara kolom jadwal\_penerbangan dan penumpang untuk menampilkan nilai yang sama antar table.

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
1 • select * from jenis_maskapai  
2     inner join pegawai on jenis_maskapai.IDpegawai=pegawai.IDpegawai
```

The results grid displays the joined data from both tables. The columns are:

IDpesawat	nama_maskapai	tipe_pesawat	IDpegawai	IDticket_penumpang	IDpegawai	namapegawai
AA980798	Air Asia	AirbusA330	GP0090	IT1239	GP0090	Alfredo Shein
CT456789	Citilink	Boeing787	GW1712	IT1237	GW1712	Kanaya Mevana
EM569875	Emirates	AirbusA330	GP1237	IT1211	GP1237	Andi Roger
ET222890	Ethihad Airways	AirbusA321	GW3005	IT1236	GW3005	Gabriella Diedra
GI300523	Garuda Indonesia	Boeing737	GW1234	IT1234	GW1234	Widha Dwiyanti
HA778899	Hainan Airlines	Boeing777	GP0098	IT1230	GP0098	Dafna Iram
LA171202	Lion Air	AirbusA330	GP7666	IT1220	GP7666	Hafizh Alexa
QA130511	Qatar Airways	Boeing737	GW1235	IT1235	GW1235	Osa Nastiar
SA609089	Singapore Airlines	Boeing777	GP1236	IT1112	GP1236	Imran Akbar
SJ674523	Super Air Jet	ATR72	GW2002	IT1238	GW2002	Faradilla Chen

Penjelasan :

Menggabungkan beberapa kolom antara kolom jenis\_maskapai dan pegawai untuk menampilkan nilai yang sama antar table.

## 6. DCL ( Grant dan Revoke )

```
347 --DCL
348
349 CREATE USER 'widha'@'%' IDENTIFIED BY '1305213019';
350 • GRANT SELECT on airport_management.pegawai TO 'widha'@'%';
351 • FLUSH PRIVILEGES;
352
353 • REVOKE SELECT on airport_management.pegawai FROM 'widha'@'%';
354 • FLUSH PRIVILEGES;
```

Penjelasan :

Grant : Untuk memberikan akses select table airport management kepada user “ widha “ yang di identifikasi dengan password “ 1305213019 “.

Revoke : Untuk mencabut akses dari user “ widha “ pada table airport management.