

Electrical Engineering Department, 2nd floor Universitas Indonesia Depok. 16424

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PRAKTIKUM WEB DEVELOPMENT

Minggu ke-9, Sesi ke-1

Case Study

PRE CS

- 1. Resource
- 2. Npm i

```
PS C:\Users\gutri\Documents\KULIAH\Praktikum UI\Pemrograman Web\CS\Modul17_Gutri_Rahmad_Zuwa> npm i
added 148 packages, and audited 149 packages in 6s

10 packages are looking for funding
run `npm fund` for details
```

3. Create table

```
modul_17=# CREATE TABLE unhan_modul_17(
modul_17(# id SERIAL primary key not null,
modul_17(# username text not null,
modul_17(# email text unique not null,
modul_17(# password text unique not null);
CREATE TABLE
```

4. Db.config.js

```
nfig > Js db.config.js > [@] db
  const { Client } = require('pg');

const db = new Client([]
    user: '',
    host: '',
    database: 'modul_17',
    password: 'gutri',
    port: '5432',
]);

module.exports = db;
```

5. .env

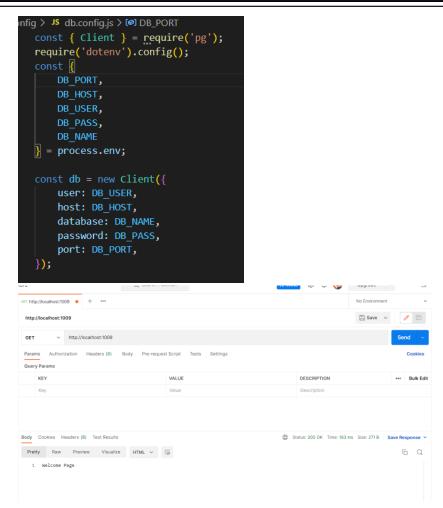
```
PORT=1009

DB_USER='postgres'
DB_HOST='localhost'
DB_NAME='modul_17'
DB_PASS='jnkmujiklop'
DB_PORT=5432
```

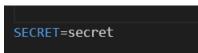




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6. SECRET



PART 1

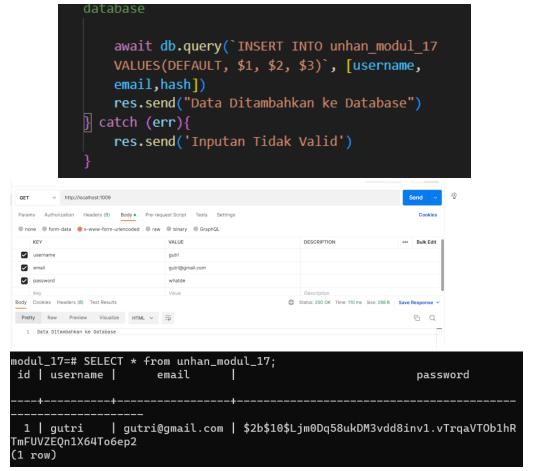
7. Hash

```
const register = async(req, res, next) => {
    // * 7. silahkan ubah password yang telah
    diterima menjadi dalam bentuk hashing
    const {username, email, password} = req.body;
    try{{
        const hash = await bcrypt.hash(password,10);
        // 8. silahkan coding agan pangguna bisa.
```

8. Register



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Part 2

9. Bycrypt compare

10. Jwt sign

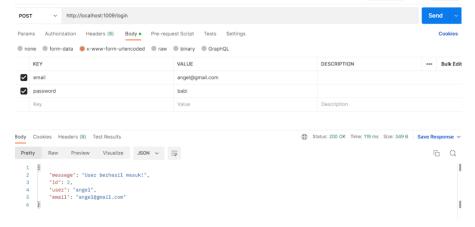


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11. Menampilkan id, username, email

```
},
process.env.SECRET
);
res.cookie("JWT",token, {httpOnly: true,
sameSite:"strict",})

res.status(200).json({
message: "User berhasil masuk!",
//11. kembalikan nilai id, email, dan username
id: user[0].id,
user: user[0].username,
email: user[0].email,
});
}
else {
```





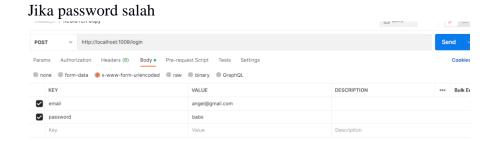
🛱 Status: 400 Bad Request Time: 135 ms Size: 319 B Save Response

Part 3



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© Q



12. Jwt verify

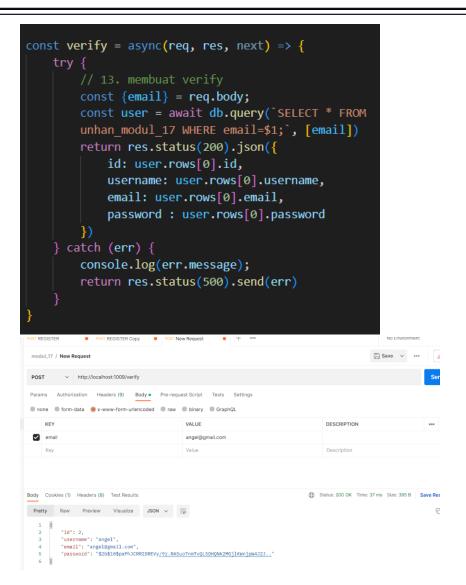
Body Cookies Headers (8) Test Results

13. Mebuat verify





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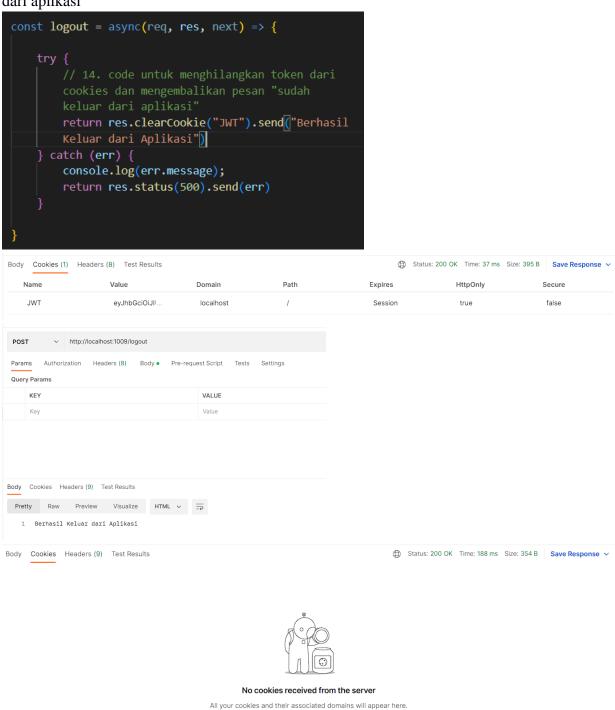




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Part 4

14. code untuk menghilangkan token dari cookies dan mengembalikan pesan "sudah keluar dari aplikasi"







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15. error handling

```
res.send("Data Ditambahkan ke Database")
} catch (err){
    res.send('Inputan Tidak Valid')
}

Verifying if the user exists in the database
    const user = data.rows;
    if (user.length === 0) {
    res.status(400).json({
        error: "User tidak ada, Silahkan Daftar dulu!",
    });
}

console.log(err);
    res.status(500).json({
        error: "Database error occurred while
        signing in!", //Database connection error
    });
    };

} else {
    res.status(403).send({message: 'Youre not authenticated, please login first'})
        console.log('Youre not authenticated');
}
```

GitHub:

https://github.com/gutri09/Modul17_Gutri-Rahmad-Zuwa