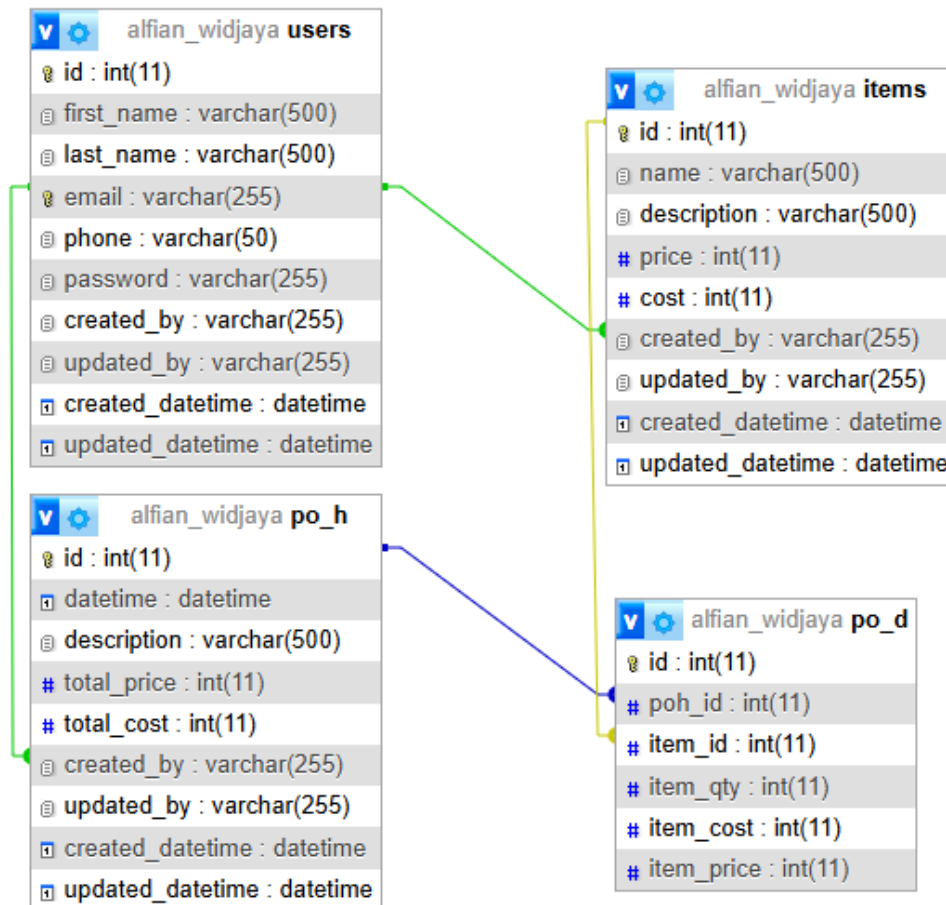


Unit Test My Boost Test

Muhamad Alfian Widjaya

Title : Unit Test My Boost Test
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Visual Database Designer



Test Plan

No	Category	Skenario	Expected Result
1	Normal	Add User RC00	Success
2	Negatif	Add User RC20	FirstName cannot be null
3	Negatif	Add User RC20	LastName cannot be null
4	Negatif	Add User RC20	Email cannot be null
5	Negatif	Add User RC20	Pssword cannot be null
6	Negatif	Add User RC20	Phone cannot be null
7	Negatif	Add User RC90	Email is already registered
8	Normal	Login RC00	Success
9	Negatif	Login RC00	User not found with email
10	Negatif	Login RC00	Invalid email or password
11	Normal	Get All UserRC00	Success

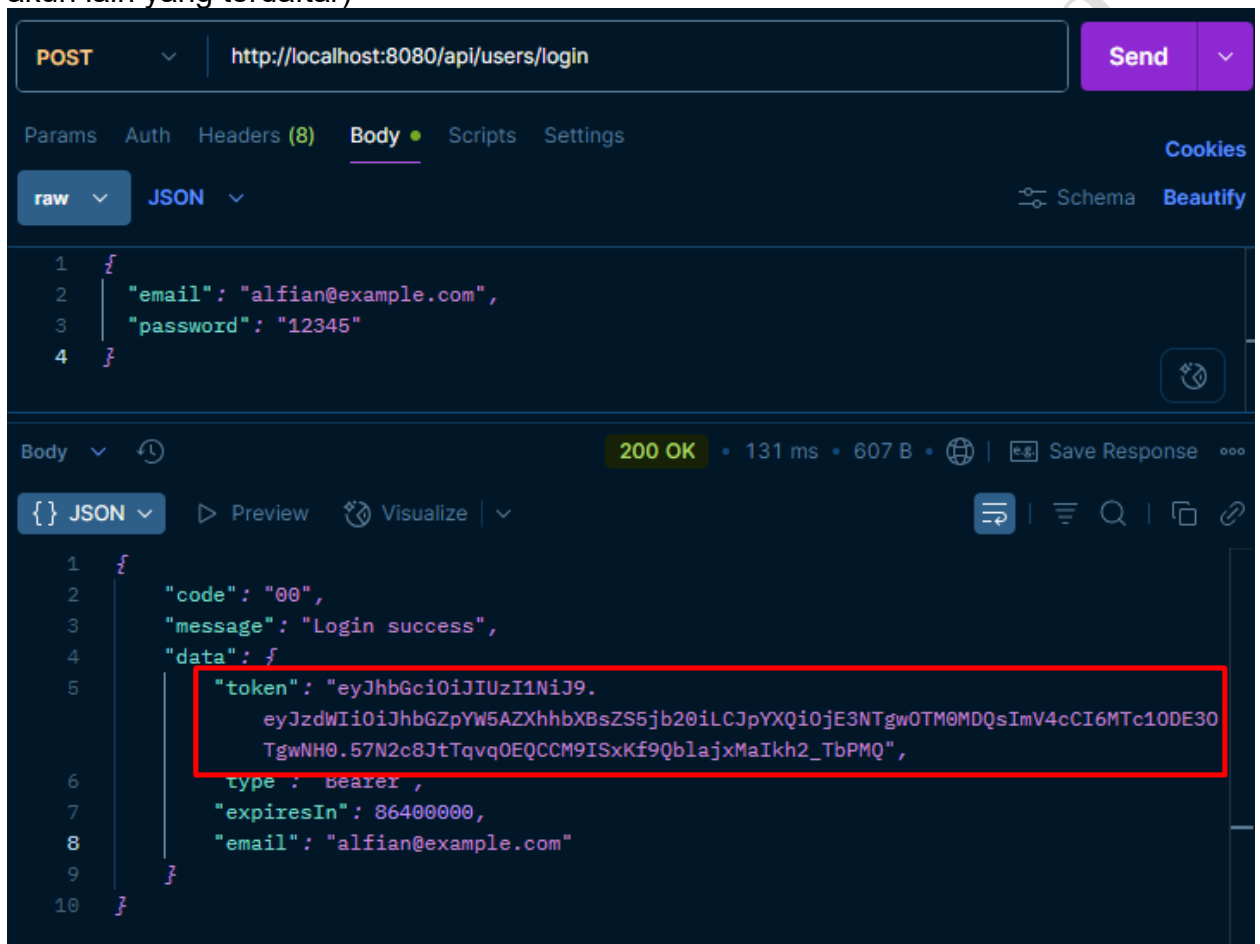
12	Normal	Get One User by Param ID RC00	Success
13	Negatif	Get One User by Param ID RC40	User not found with id 22
14	Normal	Edit User RC00	Success
15	Negatif	Edit User RC20	FirstName cannot be null
16	Negatif	Edit User RC20	LastName cannot be null
17	Negatif	Edit User RC20	Phone cannot be null
18	Negatif	Edit User RC40	User not found with id 11
19	Normal	Delete User RC00	Success
20	Negatif	Delete User RC40	User not found with id 7
21	Normal	Get All Items RC00	Success
22	Normal	Get one Item by param id RC00	Success
23	Negatif	Get one Item by param id RC40	Item not found with id: 11
24	Normal	Find Item By Name RC00	Success
25	Negatif	Find Item By Name RC20	Name cannot be null
26	Negatif	Find Item By Name RC40	No items found with name LaptopPP
27	Normal	Add Items RC00	Success
28	Negatif	Add Items RC20	Name cannot be null
29	Negatif	Add Items RC20	Description cannot be null
30	Negatif	Add Items RC20	Price cannot be null
31	Negatif	Add Items RC20	Cost cannot be null
32	Normal	Edit Items RC00	Success
33	Negatif	Edit Items RC20	Name cannot be null
34	Negatif	Edit Items RC20	Description cannot be null
35	Negatif	Edit Items RC20	Price cannot be null
36	Negatif	Edit Items RC20	Cost cannot be null
37	Negatif	Edit Items RC40	Item not found with id: 11
38	Normal	Delete Items RC00	Success
39	Negatif	Delete Items RC40	Item not found with id: 10
40	Normal	Get All PO Header RC00	Success
41	Normal	Get one PO Header by param id RC00	Success
42	Negatif	Get one PO Header by param id RC40	PO with id 11 not found
43	Normal	Add PO Header & PO Detail RC00	Success
44	Negatif	Add PO Header & PO Detail RC20	Description cannot be null
45	Negatif	Add PO Header & PO Detail RC20	ItemId cannot be null
46	Negatif	Add PO Header & PO Detail RC20	ItemQty cannot be null
47	Negatif	Add PO Header & PO Detail RC20	ItemCost cannot be null
48	Negatif	Add PO Header & PO Detail RC20	ItemPrice cannot be null
49	Normal	Edit PO Header & PO Detail RC00	Success
50	Negatif	Edit PO Header & PO Detail RC20	Description cannot be null
51	Negatif	Edit PO Header & PO Detail RC20	ItemId cannot be null
52	Negatif	Edit PO Header & PO Detail RC20	ItemQty cannot be null
53	Negatif	Edit PO Header & PO Detail RC20	ItemCost cannot be null
54	Negatif	Edit PO Header & PO Detail RC20	ItemPrice cannot be null
55	Negatif	Edit PO Header & PO Detail RC40	PO with id 11 not found

Catatan

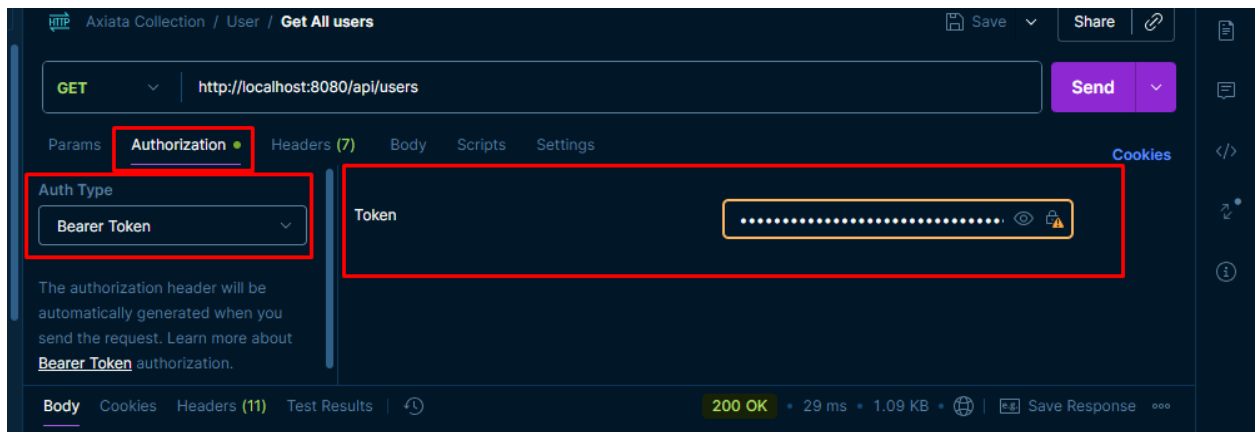
Sebelum ngehit Enpoint diwajibkan untuk login dulu karena service ini menggunakan **authorization** yang ber type **Bearer Token**

Panduan ngehit:

1. Login dengan mengakses endpoint <http://localhost:8080/api/users/login> den menggunakan email: alfian@example.com & password : 12345 (Bisa memakai akun lain yang terdaftar)



2. Ambil Value Token lalu isi dibagian **Auth** dengan type **Bearer Token** dan masukan **token** yang sudah di generate setelah login



CRUD User

1. [Normal] Add User RC00 (Success)

ENV

Path

Method

Request

Response

Database

http://localhost:8080

/api/users/addUser

POST

{

"firstName": "Anton",

"lastName": "Simarah",

"email": "antonsimarah@example.com",

"password": "12345",

"phone": "08123456789"

}

{

"code": "00",

"message": "User created successfully",

"data": {

"id": 6,

"firstName": "Anton",

"lastName": "Simarah",

"email": "antonsimarah@example.com",

"phone": "08123456789",

"createdBy": "antonsimarah@example.com",

"updatedBy": null,

"createdDatetime": "2025-09-17T15:15:51.7436495",

"updatedDatetime": "2025-09-17T15:15:51.7436495"

}

}

	id	first_name	last_name	email	phone	password
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	1	Alfian	Widjaya	alfian@example.com	08123456789	\$2a\$10\$a4DEern1E233hJ77qqJUV.6LZLvrj2Cvzrlk6XihB/...
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	2	Budi	Santoso	budi@example.com	08123456780	\$2a\$10\$k6gollRVozEbleYNA5DTaOAsGLi6YVBv5BZ/0rfkmE3...
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	3	Citra	Lestari	citra@example.com	08123456781	\$2a\$10\$tISXczXhqA1XnC2WC/ZxOz1Wv54PkZqWzUPI6AP3O...
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	4	Dewi	Kusuma	dewi@example.com	08123456782	\$2a\$10\$Ejy7ghfNxxG2Mf9Tc5qfuTQJHDAzCxriwtg90f.BT...
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	5	Eka	Pratama	eka@example.com	08123456783	\$2a\$10\$7HtoF3k.cgxgf5QWIGxMleGu9TJphocJM89r5jOTr3...
<div><div><div></div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	6	Anton	Simarah	antonsimarah@example.com	08123456789	\$2a\$10\$ly3.w3mjRMfEh/hvz0E6ROkGRGJ3hJaug82S0eLuxb6...

2. [Negatif] Add User RC20 (FirstName cannot be null)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre>{ "firstName": "", "lastName": "Simarah", "email": "antonsimarah@example.comm", "password": "12345", "phone": "08123456789" }</pre>	
Response	
<pre>{ "code": "20", "message": "FirstName cannot be null", "data": null }</pre>	

3. [Negatif] Add User RC20 (LastName cannot be null)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre>{ "firstName": "Anton", "lastName": "", "email": "antonsimarah@example.comm", "password": "12345", "phone": "08123456789" }</pre>	
Response	
<pre>{ "code": "20", "message": "LastName cannot be null", "data": null }</pre>	

4. [Negatif] Add User RC20 (Email cannot be null)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre>{ "firstName": "Anton", "lastName": "Simarah", "email": "", "password": "12345", "phone": "08123456789" }</pre>	
Response	
<pre>{</pre>	

```
"code": "20",  
"message": "Email cannot be null",  
"data": null  
}
```

5. [Negatif] Add User RC20 (Password cannot be null)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre><code>{ "firstName": "Anton", "lastName": "Simarah", "email": "antonsimarah@example.comm", "password": "", "phone": "08123456789" }</code></pre>	
Response	
<pre><code>{ "code": "20", "message": "Password cannot be null", "data": null }</code></pre>	

6. [Negatif] Add User RC20 (Phone cannot be null)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre><code>{ "firstName": "Anton", "lastName": "Simarah", "email": "antonsimarah@example.comm", "password": "12345", "phone": "" }</code></pre>	
Response	
<pre><code>{ "code": "20", "message": "Phone cannot be null", "data": null }</code></pre>	

7. [Negatif] Add User RC90 (Email is already registered)

ENV	http://localhost:8080
Path	/api/users/addUser
Method	POST
Request	
<pre><code>{ "firstName": "Anton", "lastName": "Simarah", "email": "antonsimarah@example.com", "password": "12345", }</code></pre>	

<code>"phone": "08123456789"</code>
<code>}</code>
Response
<pre>{ "code": "90", "message": "Service error: Email is already registered: antonsimarah@example.com", "data": null }</pre>

8. [Negatif] Login RC00 (Success)

ENV	http://localhost:8080
Path	/api/users/login
Method	POST
Request	
{ "email": "alfian@example.com", "password": "12345" }	
Response	
{ "code": "00", "message": "Login success", "data": { "token": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJhbGZpYW5AZXhhbXBsZS5jb20iLCJpYXQiOiJlYXN0IiwiaXNjaW50IjoiOTUzIiwiaWF0IjoiMTY0MjM0MDQsImV4cCI6MTc1ODE3OTgwNH0.57N2c8JtTqvqOEQCCM9ISxKf9QblajxMaIkh2_TbPMQ", "type": "Bearer", "expiresIn": 86400000, "email": "alfian@example.com" } }	
Database	
<div><div><div>←→</div><div>▼ idfirst_namelast_nameemailphonepassword</div><div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>1 AlfianWidjayaalfian@example.com08123456789\$2a\$10\$a4DEern1E233hJ77qqJUV.6LZLvrj2Cvzrlk6XihB/...</div></div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>2 BudiSantosebudi@example.com08123456780\$2a\$10\$k6golIRVozEbleYNA5DTaOAsGLi6YVBv5BZ/0rIkME3...</div></div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>3 CitraLestarcitra@example.com08123456781\$2a\$10\$tISXczXhqA/1XnC2WC/ZxOz1Wv54PkZqWzUPI6AP3O...</div></div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>4 DewiKusumadewi@example.com08123456782\$2a\$10\$Ejy7ghf/NxG2Mf9Tc5qfUTQJHDazCxrivtyg90f.BT...</div></div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>5 EkaPratamaeka@example.com08123456783\$2a\$10\$7HtoF3k.cgxgf5QWiGxMleGu9TJphocjM89r5jOTr3...</div></div><div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div><div>6 AntonSimarahantonsimarah@example.com08123456789\$2a\$10\$ly3.w3mjRMfEh/hvz0E6ROkGRGJ3hJaug82S0eLuxb6...</div></div></div></div></div>	

9. [Negatif] Login RC40 (User not found with email)

ENV	http://localhost:8080
Path	/api/users/login
Method	POST
Request	<pre>{ "email": "", "password": "12345" }</pre>
Response	<pre>{ "code": "40",</pre>


```

    "message": "User not found with email ",
    "data": null
}

```

10. [Negatif] Login RC90 (Invalid email or password)

ENV	http://localhost:8080
Path	/api/users/login
Method	POST
Request	
<pre> { "email": "alfian@example.com", "password": "" } </pre>	
Response	
<pre> { "code": "90", "message": "Service error: Invalid email or password", "data": null } </pre>	

11. [Normal] Get All UserRC00 (Success)



















ENV	http://localhost:8080
Path	/api/users
Method	GET
Request	
Response	
<pre> { "code": "00", "message": "Success", "data": [{ "id": 1, "firstName": "Alfian", "lastName": "Widjaya", "email": "alfian@example.com", "phone": "08123456789", "createdBy": "alfian@example.com", "updatedBy": "alfian@example.com", "createdDatetime": "2025-09-17T15:12:04", "updatedDatetime": "2025-09-17T15:14:20" }, { "id": 2, "firstName": "Budi", "lastName": "Santoso", "email": "budi@example.com", "phone": "08123456780", "createdBy": "alfian@example.com", "updatedBy": "alfian@example.com", "createdDatetime": "2025-09-17T15:12:04", "updatedDatetime": "2025-09-17T15:14:20" }] } </pre>	

```

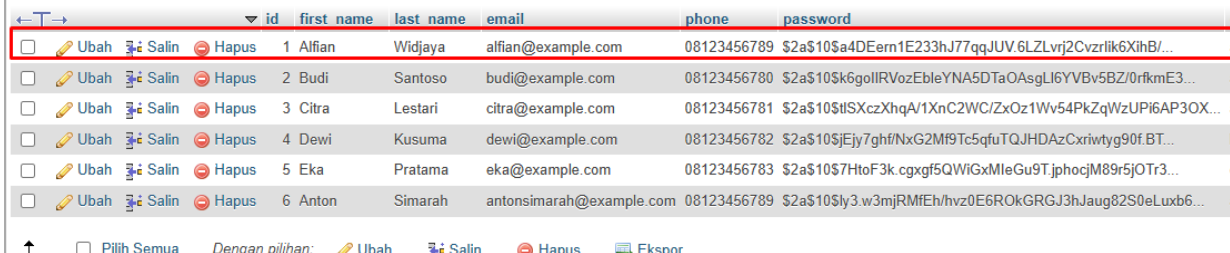
        "id": 3,
        "firstName": "Citra",
        "lastName": "Lestari",
        "email": "citra@example.com",
        "phone": "08123456781",
        "createdBy": "alfian@example.com",
        "updatedBy": "budi@example.com",
        "createdDatetime": "2025-09-17T15:12:04",
        "updatedDatetime": "2025-09-17T15:14:20"
    },
    {
        "id": 4,
        "firstName": "Dewi",
        "lastName": "Kusuma",
        "email": "dewi@example.com",
        "phone": "08123456782",
        "createdBy": "budi@example.com",
        "updatedBy": "citra@example.com",
        "createdDatetime": "2025-09-17T15:12:04",
        "updatedDatetime": "2025-09-17T15:14:21"
    },
    {
        "id": 5,
        "firstName": "Eka",
        "lastName": "Pratama",
        "email": "eka@example.com",
        "phone": "08123456783",
        "createdBy": "citra@example.com",
        "updatedBy": "dewi@example.com",
        "createdDatetime": "2025-09-17T15:12:04",
        "updatedDatetime": "2025-09-17T15:14:21"
    },
    {
        "id": 6,
        "firstName": "Anton",
        "lastName": "Simarah",
        "email": "antonsimarah@example.com",
        "phone": "08123456789",
        "createdBy": "antonsimarah@example.com",
        "updatedBy": null,
        "createdDatetime": "2025-09-17T15:15:51",
        "updatedDatetime": "2025-09-17T15:15:51"
    }
]

```

Database

				id	first_name	last_name	email	phone	password
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	1	Alfian	Widjaya	alfian@example.com	08123456789	\$2a\$10\$4DEern1E233hJ77qqJUV.6LZLvrj2Cvzrlk6XihB/...
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	2	Budi	Santoso	budi@example.com	08123456780	\$2a\$10\$6gollIRVozEbleYNA5DTaOAsGLi6YVBv5BZ/0rfkmE3...
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	3	Citra	Lestari	citra@example.com	08123456781	\$2a\$10\$tlSXczXhqA/1XnC2WC/ZxOz1Wv54PkZqWzUPI6AP3OX...
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	4	Dewi	Kusuma	dewi@example.com	08123456782	\$2a\$10\$Ejy7ghfNxG2MF9Tc5qfuTQJHDAzCxriwtyg90f.BT...
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	5	Eka	Pratama	eka@example.com	08123456783	\$2a\$10\$7HtoF3k.cgxgf5QWtGxMleGu9T.jphocjM89r5jOTR3...
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	6	Anton	Simarah	antonsimarah@example.com	08123456789	\$2a\$10\$ly3.w3mjRMfEh/hvz0E6ROkGRGJ3hJaug82S0eLuxb6...

12. [Normal] Get One User by Param ID RC00 (Success)

ENV	http://localhost:8080
Path	/api/users?id={id} Contoh: (http://localhost:8080/api/users?id=1)
Method	GET
Request	
Response	
<pre>{ "code": "00", "message": "Success", "data": [{ "id": 1, "firstName": "Alfian", "lastName": "Widjaya", "email": "alfian@example.com", "phone": "08123456789", "createdBy": "alfian@example.com", "updatedBy": "alfian@example.com", "createdDatetime": "2025-09-17T15:12:04", "updatedDatetime": "2025-09-17T15:14:20" }] }</pre>	
Database	
	

13. [Negatif] Get One User by Param ID RC 40 (User not found with id 22)

ENV	http://localhost:8080
Path	/api/users?id={id} Contoh: (http://localhost:8080/api/users?id=22)
Method	GET
Request	
Response	
<pre>{ "code": "40", "message": "User not found with id 22", "data": null }</pre>	

14. [Normal] Edit user RC00 (Success)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/1)
Method	PUT

Request

```
{
  "firstName": "Muhamad Alfian",
  "lastName": "widjaya",
  "phone": "08123456780"
}
```

Response

```
{
  "code": "00",
  "message": "User updated successfully",
  "data": {
    "id": 1,
    "firstName": "Muhamad Alfian",
    "lastName": "widjaya",
    "email": "alfian@example.com",
    "phone": "08123456780",
    "createdBy": "alfian@example.com",
    "updatedBy": "alfian@example.com",
    "createdDatetime": "2025-09-17T15:12:04",
    "updatedDatetime": "2025-09-17T15:47:51.6581391"
  }
}
```

Database

Extra options

	id	first_name	last_name	email	phone	password
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	1	Muhamad Alfian	widjaya	alfian@example.com	08123456780	\$2a\$10\$a4DEern1E233hJ77qqJUV.6LZLvrj2Cvzrlk6XihB/...
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	2	Budi	Santoso	budi@example.com	08123456780	\$2a\$10\$k6golIRVozEbleYNA5DTaOAsgLi6YVBv5BZ/0rfkmE3...
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	3	Citra	Lestari	citra@example.com	08123456781	\$2a\$10\$StlSXczXhqA/1XnC2WC/ZxOz1Wv54PkZqWzUPi6AP3OX...
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	4	Dewi	Kusuma	dewi@example.com	08123456782	\$2a\$10\$jEjy7ghf/NxG2Mf9Tc5qfuTQJHDAzCxxriwtyg90f.BT...
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	5	Eka	Pratama	eka@example.com	08123456783	\$2a\$10\$7HtoF3k.cgxgf5QWigXmleGu9TjphocJM89r5jOTR3...
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	6	Anton	Simarah	antonsimarah@example.com	08123456789	\$2a\$10\$ly3.w3mjRMfEh/hvz0E6ROkGRGJ3hJaug82S0eLuxb6...

15. [Negatif] Edit user RC20 (FirstName cannot be null)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/1)
Method	PUT
Request	
{ "firstName": "", "lastName": "widjaya", "phone": "08123456780" }	
Response	
{ "code": "20", "message": "FirstName cannot be null", "data": null }	

16. [Negatif] Edit user RC20 (LastName cannot be null)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/1)
Method	PUT

Request
<pre>{ "firstName": "Muhamad Alfian", "lastName": "", "phone": "08123456780" }</pre>
Response
<pre>{ "code": "20", "message": "LastName cannot be null", "data": null }</pre>

17. [Negatif] Edit user RC20 (Phone cannot be null)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/1)
Method	PUT
Request	
{ "firstName": "Muhamad Alfian", "lastName": "widjaya", "phone": "" }	
Response	
{ "code": "20", "message": "Phone cannot be null", "data": null }	

18. [Negatif] Edit user RC20 (User not found with id 11)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/11)
Method	PUT
Request	
{ "firstName": "Muhamad Alfian", "lastName": "widjaya", "phone": "08123456780" }	
Response	
{ "code": "40", "message": "User not found with id 11", "data": null }	

19. [Normal] Delete User RC00 (Success)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/5)
Method	DELETE
Request	

Response

```
{
  "code": "00",
  "message": "User deleted successfully",
  "data": {
    "id": 5,
    "firstName": "Eka",
    "lastName": "Pratama",
    "email": "eka@example.com",
    "phone": "08123456783",
    "createdBy": "citra@example.com",
    "updatedBy": "dewi@example.com",
    "createdDatetime": "2025-09-17T15:12:04",
    "updatedDatetime": "2025-09-17T15:14:21"
  }
}
```

Database

		id	first_name	last_name	email	phone	password
<input type="checkbox"/>	<div><div>Ubah</div><div>Salin</div><div>Hapus</div></div>	1	Muhamad Alfian	widjaya	alfian@example.com	08123456780	\$2a\$10\$a4DEern1E233hJ77qqJUV.6LZLvrj2Cvzrlk6XihB/...
<input type="checkbox"/>	<div><div>Ubah</div><div>Salin</div><div>Hapus</div></div>	2	Budi	Santoso	budi@example.com	08123456780	\$2a\$10\$k6gollIRVozEbleYNA5DTaOAsgLI6YVBv5BZ/0rfkmE3...
<input type="checkbox"/>	<div><div>Ubah</div><div>Salin</div><div>Hapus</div></div>	3	Citra	Lestari	citra@example.com	08123456781	\$2a\$10\$HlSXczXhqA/1XnC2WC/ZxOz1Wv54PkZqWzUPI6AP3OX...
<input type="checkbox"/>	<div><div>Ubah</div><div>Salin</div><div>Hapus</div></div>	4	Dewi	Kusuma	dewi@example.com	08123456782	\$2a\$10\$jEjy7ghf/NxG2Mf9Tc5qfuTQJHDAzCxriwtg90f.BT...
<input type="checkbox"/>	<div><div>Ubah</div><div>Salin</div><div>Hapus</div></div>	6	Anton	Simarah	antonsimarah@example.com	08123456789	\$2a\$10\$ly3.w3mjRMEh/hvz0E6ROkGRGJ3hJaug82S0eLuxb6...

20. [Negatif] Delete User RC40 (User not found with id 7)

ENV	http://localhost:8080
Path	/api/users/{id} Contoh: (http://localhost:8080/api/users/7)
Method	DELETE
Request	
Response	
<pre>{ "code": "40", "message": "User not found with id 7", "data": null }</pre>	

CRUD Items





21. [Normal] Get All Items RC00 (Success)

ENV	http://localhost:8080
Path	/api/items
Method	GET
Request	
Response	
<pre>{ "code": "00", "message": "Success", "data": [{ "id": 1,</pre>	

```
    "name": "Laptop Dell Updat asdasd",
    "description": "Laptop Dell Inspiron 15, 16GB RAM",
    "price": 1600,
    "cost": 1250,
    "createdBy": "alfian@example.com",
    "updatedBy": "alfian@example.com",
    "createdDatetime": "2025-09-17T11:11:56",
    "updatedDatetime": "2025-09-17T11:41:58"
  },
  {
    "id": 2,
    "name": "Mouse",
    "description": "Mouse Wireless",
    "price": 200000,
    "cost": 150000,
    "createdBy": "alfian@example.com",
    "updatedBy": "budi@example.com",
    "createdDatetime": "2025-09-17T11:11:56",
    "updatedDatetime": "2025-09-17T11:11:56"
  },
  {
    "id": 3,
    "name": "Keyboard",
    "description": "Mechanical Keyboard",
    "price": 800000,
    "cost": 600000,
    "createdBy": "budi@example.com",
    "updatedBy": "citra@example.com",
    "createdDatetime": "2025-09-17T11:11:56",
    "updatedDatetime": "2025-09-17T11:11:56"
  },
  {
    "id": 4,
    "name": "Monitor",
    "description": "24 Inch Full HD Monitor",
    "price": 2500000,
    "cost": 2000000,
    "createdBy": "citra@example.com",
    "updatedBy": "dewi@example.com",
    "createdDatetime": "2025-09-17T11:11:56",
    "updatedDatetime": "2025-09-17T11:11:56"
  },
  {
    "id": 6,
    "name": "Laptop Dell",
    "description": "Laptop Dell Inspiron 15",
    "price": 1500,
    "cost": 1200,
    "createdBy": "alfian@example.com",
    "updatedBy": null,
    "createdDatetime": "2025-09-17T11:22:25",
    "updatedDatetime": "2025-09-17T11:22:25"
  },
  {
    "id": 8,
    "name": "Laptop Dell",
    "description": "Laptop Dell Inspiron 15",
```

```
        "price": 1500,
        "cost": 1200,
        "createdBy": "alfian@example.com",
        "updatedBy": null,
        "createdDatetime": "2025-09-17T11:54:12",
        "updatedDatetime": "2025-09-17T11:54:12"
    }
}
```

Database

				id	name	description	price	cost	created_by	updated_by	created_datetime	updated_datetime
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	1	Laptop	Laptop Gaming	15000000	12000000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	2	Mouse	Mouse Wireless	200000	150000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	3	Keyboard	Mechanical Keyboard	800000	600000	budi@example.com	citra@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	4	Monitor	24 Inch Full HD Monitor	2500000	2000000	citra@example.com	dewi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	5	Headset	Gaming Headset	500000	350000	dewi@example.com	eka@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14

22. [Normal] Get one Item by param id RC00 (Success)

ENV

Path

Method

Request

http://localhost:8080

/api/items?id={id} Contoh: (http://localhost:8080/api/items?id=1)

GET

Response

```
{  "code": "00",  "message": "Success",  "data": [    {      "id": 1,      "name": "Laptop Dell Updat asdasd",      "description": "Laptop Dell Inspiron 15, 16GB RAM",      "price": 1600,      "cost": 1250,      "createdBy": "alfian@example.com",      "updatedBy": "alfian@example.com",      "createdDatetime": "2025-09-17T11:11:56",      "updatedDatetime": "2025-09-17T11:41:58"    }  ]}
```

Database

Ubah

Salin

Hapus

1

Laptop

Laptop Gaming

15000000

12000000

alfian@example.com

budi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

2

Mouse

Mouse Wireless

200000

150000

alfian@example.com

budi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

3

Keyboard

Mechanical Keyboard

800000

600000

budi@example.com

citra@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

4

Monitor

24 Inch Full HD Monitor

2500000

2000000

citra@example.com

dewi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

5

Headset

Gaming Headset

500000

350000

dewi@example.com

eka@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

23. [Negatif] Get one Item by param id RC40 (Item not found with id: 11)

ENV	http://localhost:8080
Path	/api/items?id={id} Contoh: (http://localhost:8080/api/items?id=1)

Method	GET
Request	
Response	
	<pre>{ "code": "40", "message": "Item not found with id: 11", "data": null }</pre>

24. [Normal] Find Item By Name RC00 (Success)

ENV

Path

Method

Request

Response

Database

http://localhost:8080

/api/items/search

POST

{

"name": "Laptop"

}

{

"code": "00",

"message": "Success",

"data": [

{

"id": 1,

"name": "Laptop",

"description": "Laptop Gaming",

"price": 15000000,

"cost": 12000000,

"createdBy": "alfian@example.com",

"updatedBy": "budi@example.com",

"createdDatetime": "2025-09-17T15:12:14",

"updatedDatetime": "2025-09-17T15:12:14"

}

]

}

Ubah

Salin

Hapus

id

name

description

price

cost

created by

updated by

created datetime

updated datetime

Ubah

Salin

Hapus

1 Laptop

Laptop Gaming

15000000

12000000

alfian@example.com

budi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

2 Mouse

Mouse Wireless

200000

150000

alfian@example.com

budi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

3 Keyboard

Mechanical Keyboard

800000

600000

budi@example.com

citra@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

4 Monitor

24 Inch Full HD Monitor

2500000

2000000

citra@example.com

dewi@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

Ubah

Salin

Hapus

5 Headset

Gaming Headset

500000

350000

dewi@example.com

eka@example.com

2025-09-17 15:12:14

2025-09-17 15:12:14

25. [Negatif] Find Item By Name RC20 (Name cannot be null)

ENV	http://localhost:8080
Path	/api/items/search
Method	POST
Request	
	<pre>{ "name": "" }</pre>

Response
<pre>{ "code": "20", "message": "Name cannot be null", "data": null }</pre>

26. [Negatif] Find Item By Name RC40 (No items found with name LaptopPP)

ENV	http://localhost:8080
Path	/api/items/search
Method	POST
Request	
<pre>{ "name": "LaptopPP" }</pre>	
Response	
<pre>{ "code": "40", "message": "No items found with name LaptopPP", "data": null }</pre>	

27. [Normal] Add Items RC00 (Success)

ENV	http://localhost:8080
Path	/api/items
Method	POST
Request	
<pre>{ "name": "Laptop Dell", "description": "Laptop Dell Dall Dull", "price": 1500, "cost": 1200 }</pre>	
Response	
<pre>{ "code": "00", "message": "Item created successfully", "data": { "id": 6, "name": "Laptop Dell", "description": "Laptop Dell Dall Dull", "price": 1500, "cost": 1200, "createdBy": "alfian@example.com", "updatedBy": null, "createdDatetime": "2025-09-17T16:19:06.557724", "updatedDatetime": "2025-09-17T16:19:06.557724" } }</pre>	
Database	

<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div></div></div>												id	name	description	price	cost	created_by	updated_by	created_datetime	updated_datetime
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	1	Laptop	Laptop Gaming	15000000	12000000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14					
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	2	Mouse	Mouse Wireless	200000	150000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14					
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	3	Keyboard	Mechanical Keyboard	800000	600000	budi@example.com	citra@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14					
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	4	Monitor	24 Inch Full HD Monitor	2500000	2000000	citra@example.com	dewi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14					
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	5	Headset	Gaming Headset	500000	350000	dewi@example.com	eka@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14					
<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	Ubah	<div><div></div><div></div><div></div></div>	Salin	<div><div></div><div></div><div></div></div>	Hapus	6	Laptop Dell	Laptop Dell Dull	1500	1200	alfian@example.com	NULL	2025-09-17 16:19:06	2025-09-17 16:19:06					

28. [Negatif] Add Items RC20 (Name cannot be null)

ENV	http://localhost:8080
Path	/api/items
Method	POST
Request	
<pre>{ "name": "", "description": "Laptop Dell Dall Dull", "price": 1500, "cost": 1200 }</pre>	
Response	
<pre>{ "code": "20", "message": "Name cannot be null", "data": null }</pre>	

29. [Negatif] Add Items RC20 (Description cannot be null)

ENV	http://localhost:8080
Path	/api/items
Method	POST
Request	
<pre>{ "name": "Laptop Dell", "description": "", "price": 1500, "cost": 1200 }</pre>	
Response	
<pre>{ "code": "20", "message": "Description cannot be null", "data": null }</pre>	

30. [Negatif] Add Items RC20 (Price cannot be null)

ENV	http://localhost:8080
Path	/api/items
Method	POST
Request	
{	

<pre> "name": "Laptop Dell", "description": "Laptop Dell Dall Dull", "price": null, "cost": 1200 } </pre>
Response
<pre> { "code": "20", "message": "Price cannot be null", "data": null } </pre>
















31. [Negatif] Add Items RC20 (Cost cannot be null)

ENV	http://localhost:8080
Path	/api/items
Method	POST
Request	<pre> { "name": "Laptop Dell", "description": "Laptop Dell Dall Dull", "price": 1500, "cost": null } </pre>
Response	<pre> { "code": "20", "message": "Cost cannot be null", "data": null } </pre>

32. [Normal] Edit Items RC00 (Success)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh: (http://localhost:8080/api/items/1)
Method	PUT
Request	<pre> { "name": "Laptop Si Unyil", "description": "Laptop Si Unyil Pro", "price": 1600, "cost": 1250 } </pre>
Response	<pre> { "code": "00", "message": "Item updated successfully", "data": { "id": 1, "name": "Laptop Si Unyil", "description": "Laptop Si Unyil Pro", "price": 1600, "cost": 1250, "createdBy": "alfian@example.com", "updatedBy": "alfian@example.com", "createdDatetime": "2025-09-17T15:12:14", </pre>

```
      "updatedDatetime": "2025-09-17T16:30:38.9166463"
    }
  }
```

Database												
		id	name	description	price	cost	created_by	updated_by	created_datetime	updated_datetime		
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	1	Laptop Si Unyil	Laptop Si Unyil Pro	1600	1250	alfian@example.com	alfian@example.com	2025-09-17 15:12:14	2025-09-17 16:30:38
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	2	Mouse	Mouse Wireless	200000	150000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	3	Keyboard	Mechanical Keyboard	800000	600000	budi@example.com	citra@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	4	Monitor	24 Inch Full HD Monitor	2500000	2000000	citra@example.com	dewi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	5	Headset	Gaming Headset	500000	350000	dewi@example.com	eka@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	6	Laptop Dell	Laptop Dell Dull	1500	1200	alfian@example.com	NULL	2025-09-17 16:19:06	2025-09-17 16:19:06

33. [Negatif] Edit Items RC20 (Name cannot be null)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/1)
Method	PUT
Request	
<pre> { "name": "", "description": "Laptop Si Unyil Pro", "price": 1600, "cost": 1250 } </pre>	
Response	
<pre> { "code": "20", "message": "Name cannot be null", "data": null } </pre>	

34. [Negatif] Edit Items RC20 (Description cannot be null)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/1)
Method	PUT
Request	
<pre> { "name": "Laptop Si Unyil", "description": "", "price": 1600, "cost": 1250 } </pre>	
Response	
<pre> { "code": "20", "message": "Description cannot be null", "data": null } </pre>	

35. [Negatif] Edit Items RC20 (Price cannot be null)

ENV	http://localhost:8080
-----	-----------------------

Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/1)
Method	PUT
Request	
<pre>{ "name": "Laptop Si Unyil", "description": "Laptop Si Unyil Pro", "price": null, "cost": 1250 }</pre>	
Response	
<pre>{ "code": "20", "message": "Price cannot be null", "data": null }</pre>	

36. [Negatif] Edit Items RC20 (Cost cannot be null)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/1)
Method	PUT
Request	
<pre>{ "name": "Laptop Si Unyil", "description": "Laptop Si Unyil Pro", "price": 1600, "cost": null }</pre>	
Response	
<pre>{ "code": "20", "message": "Cost cannot be null", "data": null }</pre>	

37. [Negatif] Edit Items RC20 (Item not found with id: 11)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/11)
Method	PUT
Request	
<pre>{ "name": "Laptop Si Unyil", "description": "Laptop Si Unyil Pro", "price": 1600, "cost": 1250 }</pre>	
Response	
<pre>{ "code": "40", "message": "Item not found with id: 11", "data": null }</pre>	

38. [Normal] Delete Items RC00 (Success)

ENV

Path

Method

Request

Response

http://localhost:8080

/api/items/{id} Contoh:(http://localhost:8080/api/items/5)

DELETE

```
{  "code": "00",  "message": "Item deleted successfully",  "data": null}
```

Database

	id	name	description	price	cost	created_by	updated_by	created_datetime	updated_datetime
<div><div><div></div><div>Ubah</div><div></div></div><div><div></div><div>Salin</div><div></div></div><div><div></div><div>Hapus</div><div></div></div></div>	1	Laptop Si Unyil	Laptop Si Unyil Pro	1600	1250	alfian@example.com	alfian@example.com	2025-09-17 15:12:14	2025-09-17 16:30:34
<div><div><div></div><div>Ubah</div><div></div></div><div><div></div><div>Salin</div><div></div></div><div><div></div><div>Hapus</div><div></div></div></div>	2	Mouse	Mouse Wireless	200000	150000	alfian@example.com	budi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<div><div><div></div><div>Ubah</div><div></div></div><div><div></div><div>Salin</div><div></div></div><div><div></div><div>Hapus</div><div></div></div></div>	3	Keyboard	Mechanical Keyboard	800000	600000	budi@example.com	citra@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<div><div><div></div><div>Ubah</div><div></div></div><div><div></div><div>Salin</div><div></div></div><div><div></div><div>Hapus</div><div></div></div></div>	4	Monitor	24 Inch Full HD Monitor	2500000	2000000	citra@example.com	dewi@example.com	2025-09-17 15:12:14	2025-09-17 15:12:14
<div><div><div></div><div>Ubah</div><div></div></div><div><div></div><div>Salin</div><div></div></div><div><div></div><div>Hapus</div><div></div></div></div>	6	Laptop Dell	Laptop Dell Dall Dull	1500	1200	alfian@example.com	NULL	2025-09-17 16:19:06	2025-09-17 16:19:06

39. [Negatif] Delete Items RC40 (Item not found with id: 10)

ENV	http://localhost:8080
Path	/api/items/{id} Contoh:(http://localhost:8080/api/items/10)
Method	DELETE
Request	
Response	
<pre>{ "code": "40", "message": "Item not found with id: 10", "data": null }</pre>	

CRUD PO Header & PO DetailItems

40. [Normal] Get All PO Header RC00 (Success)

ENV	http://localhost:8080
Path	/api/poHeader
Method	GET
Request	
Response	
<pre>{ "code": "00", "message": "Success", "data": [{ "id": 1, "datetime": "2025-09-15T10:00:00", "description": "First Order", "totalPrice": 15200000, }] }</pre>	

```
"totalCost": 12150000,
"createdBy": "alfian@example.com",
"updatedBy": "budi@example.com",
"createdDatetime": "2025-09-17T15:12:22",
"updatedDatetime": "2025-09-17T15:12:22",
"details": [
  {
    "id": 1,
    "poId": "1",
    "itemId": 1,
    "itemQty": 1,
    "itemCost": 12000000,
    "itemPrice": 15000000
  },
  {
    "id": 2,
    "poId": "1",
    "itemId": 2,
    "itemQty": 2,
    "itemCost": 150000,
    "itemPrice": 200000
  }
],
{
  "id": 2,
  "datetime": "2025-09-16T11:00:00",
  "description": "Second Order",
  "totalPrice": 2500000,
  "totalCost": 2000000,
  "createdBy": "budi@example.com",
  "updatedBy": "citra@example.com",
  "createdDatetime": "2025-09-17T15:12:22",
  "updatedDatetime": "2025-09-17T15:12:22",
  "details": [
    {
      "id": 3,
      "poId": "2",
      "itemId": 4,
      "itemQty": 1,
      "itemCost": 2000000,
      "itemPrice": 2500000
    }
  ]
},
{
  "id": 3,
  "datetime": "2025-09-17T12:00:00",
  "description": "Third Order",
  "totalPrice": 800000,
  "totalCost": 600000,
  "createdBy": "citra@example.com",
  "updatedBy": "dewi@example.com",
  "createdDatetime": "2025-09-17T15:12:22",
  "updatedDatetime": "2025-09-17T15:12:22",
  "details": [
    {
```



```
        "id": 4,
        "poId": "3",
        "itemId": 3,
        "itemQty": 1,
        "itemCost": 600000,
        "itemPrice": 800000
    }
}
],
{
    "id": 4,
    "datetime": "2025-09-18T13:00:00",
    "description": "Fourth Order",
    "totalPrice": 0,
    "totalCost": 0,
    "createdBy": "dewi@example.com",
    "updatedBy": "eka@example.com",
    "createdDatetime": "2025-09-17T15:12:22",
    "updatedDatetime": "2025-09-17T15:12:22",
    "details": []
},
{
    "id": 5,
    "datetime": "2025-09-19T14:00:00",
    "description": "Fifth Order",
    "totalPrice": 0,
    "totalCost": 0,
    "updatedBy": "alfian@example.com",
    "createdDatetime": "2025-09-17T15:12:22",
    "updatedDatetime": "2025-09-17T15:12:22",
    "details": []
}
}
```

Database														
			id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated			
<input type="checkbox"/>	Ubah		Salin		Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 15:12:22	2025-09-
<input type="checkbox"/>	Ubah		Salin		Hapus	2	2025-09-16 11:00:00	Second Order	2600000	2150000	budi@example.com	citra@example.com	2025-09-17 15:12:22	2025-09-
<input type="checkbox"/>	Ubah		Salin		Hapus	3	2025-09-17 12:00:00	Third Order	800000	600000	citra@example.com	dewi@example.com	2025-09-17 15:12:22	2025-09-
<input type="checkbox"/>	Ubah		Salin		Hapus	4	2025-09-18 13:00:00	Fourth Order	15500000	12350000	dewi@example.com	eka@example.com	2025-09-17 15:12:22	2025-09-
<input type="checkbox"/>	Ubah		Salin		Hapus	5	2025-09-19 14:00:00	Fifth Order	3000000	2350000	NULL	alfian@example.com	2025-09-17 15:12:22	2025-09-

41. [Normal] Get one PO Header by param id RC00 (Success)

ENV	http://localhost:8080
Path	/api/poHeader?id={id} Contoh: (http://localhost:8080/api/poHeader?id=1)
Method	GET
Request	
Response	
<pre> { "code": "00", "message": "Success", "data": [{ </pre>	

```

        "id": 1,
        "datetime": "2025-09-15T10:00:00",
        "description": "First Order",
        "totalPrice": 15200000,
        "totalCost": 12150000,
        "createdBy": "alfian@example.com",
        "updatedBy": "budi@example.com",
        "createdDatetime": "2025-09-17T15:12:22",
        "updatedDatetime": "2025-09-17T15:12:22",
        "details": [
            {
                "id": 1,
                "poId": "1",
                "itemId": 1,
                "itemQty": 1,
                "itemCost": 12000000,
                "itemPrice": 15000000
            },
            {
                "id": 2,
                "poId": "1",
                "itemId": 2,
                "itemQty": 2,
                "itemCost": 150000,
                "itemPrice": 200000
            }
        ]
    }
}

```

Database

← T →			id	datetime	description	total price	total cost	created by	updated by	created datetime	updated datetime	
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	2	2025-09-16 11:00:00	Second Order	2600000	2150000	budi@example.com	citra@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	3	2025-09-17 12:00:00	Third Order	800000	600000	citra@example.com	dewi@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	4	2025-09-18 13:00:00	Fourth Order	15500000	12350000	dewi@example.com	eka@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	5	2025-09-19 14:00:00	Fifth Order	3000000	2350000	NULL	alfian@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22

42. [Negatif] Get one PO Header by param id RC40 (PO with id 11 not found)

ENV	http://localhost:8080
Path	/api/poHeader?id={id} Contoh: (http://localhost:8080/api/poHeader?id=11)
Method	GET
Request	
Response	
<pre> { "code": "40", "message": "PO with id 11 not found", "data": null } </pre>	

43. [Normal] Add PO Header & PO Detail RC00 (Success)

ENV

Path

Method

Request

Response

Database

http://localhost:8080

/api/poHeader

POST

{

"description": "Pembelian alat perang",

"itemId": 1,

"itemQty": 2,

"itemCost": 500000,

"itemPrice": 700000

}

{

"code": "00",

"message": "PO Created Successfully",

"data": {

"id": 6,

"datetime": "2025-09-17T21:39:17.2196212",

"description": "Pembelian alat perang",

"totalPrice": 700000,

"totalCost": 500000,

"createdBy": "alfian@example.com",

"createdDatetime": "2025-09-17T21:39:17.2196212",

"updatedDatetime": "2025-09-17T21:39:17.2196212"

}

}

				id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime
<input type="checkbox"/>	Ubah	Salin	Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46
<input type="checkbox"/>	Ubah	Salin	Hapus	2	2025-09-16 11:00:00	Second Order	26000000	21500000	budi@example.com	citra@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46
<input type="checkbox"/>	Ubah	Salin	Hapus	3	2025-09-17 12:00:00	Third Order	8000000	6000000	citra@example.com	dewi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46
<input type="checkbox"/>	Ubah	Salin	Hapus	4	2025-09-18 13:00:00	Fourth Order	15500000	12350000	dewi@example.com	eka@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46
<input type="checkbox"/>	Ubah	Salin	Hapus	5	2025-09-19 14:00:00	Fifth Order	30000000	23500000	eka@example.com	alfian@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46
<input type="checkbox"/>	Ubah	Salin	Hapus	6	2025-09-17 21:39:17	Pembelian alat perang	7000000	5000000	alfian@example.com	NULL	2025-09-17 21:39:17	2025-09-17 21:39:17

				id	poh_id	item_id	item_qty	item_cost	item_price
<input type="checkbox"/>	Ubah	Salin	Hapus	1	1	1	1	12000000	15000000
<input type="checkbox"/>	Ubah	Salin	Hapus	2	1	2	2	1500000	2000000
<input type="checkbox"/>	Ubah	Salin	Hapus	3	2	4	1	20000000	25000000
<input type="checkbox"/>	Ubah	Salin	Hapus	4	3	3	1	6000000	8000000
<input type="checkbox"/>	Ubah	Salin	Hapus	6	6	1	2	5000000	7000000

44. [Negatif] Add PO Header & PO Detail RC20 (Description cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader
Method	POST
Request	
{	

<pre> "description": "", "itemId": 1, "itemQty": 2, "itemCost": 500000, "itemPrice": 700000 } </pre>
Response
<pre> { "code": "20", "message": "Description cannot be null", "data": null } </pre>

45. [Negatif] Add PO Header & PO Detail RC20 (ItemId cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader
Method	POST
Request	<pre> { "description": "Pembelian alat perang", "itemId": null, "itemQty": 2, "itemCost": 500000, "itemPrice": 700000 } </pre>
Response	<pre> { "code": "20", "message": "ItemId cannot be null", "data": null } </pre>

46. [Negatif] Add PO Header & PO Detail RC20 (ItemQty cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader
Method	POST
Request	<pre> { "description": "Pembelian alat perang", "itemId": 1, "itemQty": null, "itemCost": 500000, "itemPrice": 700000 } </pre>
Response	<pre> { "code": "20", "message": "ItemQty cannot be null", "data": null } </pre>

47. [Negatif] Add PO Header & PO Detail RC20 (ItemCost cannot be null)

ENV	http://localhost:8080
------------	------------------------------

Path	/api/poHeader
Method	POST
Request	
<pre>{ "description": "Pembelian alat perang", "itemId": 1, "itemQty": 2, "itemCost": null, "itemPrice": 700000 }</pre>	
Response	
<pre>{ "code": "20", "message": "ItemCost cannot be null", "data": null }</pre>	

48. [Negatif] Add PO Header & PO Detail RC20 (ItemPrice cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader
Method	POST
Request	
<pre>{ "description": "Pembelian alat perang", "itemId": 1, "itemQty": 2, "itemCost": 500000, "itemPrice": null }</pre>	
Response	
<pre>{ "code": "20", "message": "ItemPrice cannot be null", "data": null }</pre>	

49. [Normal] Edit PO Header & PO Detail RC00 (Success)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST
Request	
<pre>{ "description": "Pembelian alat berat", "itemId": 1, "itemQty": 2, "itemCost": 8090000, "itemPrice": 670000 }</pre>	
Response	
<pre>{ "code": "00", "message": "PO Updated Successfully", "data": {</pre>	

```

    "id": 1,
    "datetime": "2025-09-15T10:00:00",
    "description": "Pembelian alat berat",
    "totalPrice": 15200000,
    "totalCost": 12150000,
    "createdBy": "alfian@example.com",
    "updatedBy": "alfian@example.com",
    "createdDatetime": "2025-09-17T15:12:22",
    "updatedDatetime": "2025-09-17T15:12:22",
    "details": [
      {
        "id": 1,
        "poId": "1",
        "itemId": 1,
        "itemQty": 2,
        "itemCost": 8090000,
        "itemPrice": 670000
      },
      {
        "id": 2,
        "poId": "1",
        "itemId": 2,
        "itemQty": 2,
        "itemCost": 150000,
        "itemPrice": 200000
      }
    ]
  }
}

```

Database

	id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	1	2025-09-15 10:00:00	Pembelian alat berat	15200000	12150000	alfian@example.com	alfian@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	2	2025-09-16 11:00:00	Second Order	2600000	2150000	budi@example.com	citra@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	3	2025-09-17 12:00:00	Third Order	800000	600000	citra@example.com	dewi@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	4	2025-09-18 13:00:00	Fourth Order	15500000	12350000	dewi@example.com	eka@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	5	2025-09-19 14:00:00	Fifth Order	3000000	2350000	NULL	alfian@example.com	2025-09-17 15:12:22	2025-09-17 15:12:22
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	6	2025-09-17 16:56:11	Pembelian alat perang	NULL	NULL	alfian@example.com	NULL	2025-09-17 16:56:11	2025-09-17 16:56:11

	id	poh_id	item_id	item_qty	item_cost	item_price
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	1	1	1	2	8090000	670000
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	2	1	2	2	150000	200000
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	3	2	4	1	2000000	2500000
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	4	3	3	1	600000	800000
<input type="checkbox"/> Ubah <input type="checkbox"/> Salin <input type="checkbox"/> Hapus	6	6	1	2	500000	700000

50. [Negatif] Edit PO Header & PO Detail RC20 (Description cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST

Request
<pre>{ "description": "", "itemId": 1, "itemQty": 2, "itemCost": 8090000, "itemPrice": 670000 }</pre>
Response
<pre>{ "code": "20", "message": "Description cannot be null", "data": null }</pre>

51. [Negatif] Edit PO Header & PO Detail RC20 (ItemId cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST
Request	
{ "description": "Pembelian alat berat", "itemId": null, "itemQty": 2, "itemCost": 8090000, "itemPrice": 670000 }	
Response	
{ "code": "20", "message": "ItemId cannot be null", "data": null }	

52. [Negatif] Edit PO Header & PO Detail RC20 (ItemQty cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST
Request	
<pre>{ "description": "Pembelian alat berat", "itemId": 1, "itemQty": null, "itemCost": 8090000, "itemPrice": 670000 }</pre>	
Response	
<pre>{ "code": "20", "message": "ItemQty cannot be null", "data": null }</pre>	

53. [Negatif] Edit PO Header & PO Detail RC20 (ItemCost cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST
Request	
<pre>{ "description": "Pembelian alat berat", "itemId": 1, "itemQty": 2, "itemCost": null, "itemPrice": 670000 }</pre>	
Response	
<pre>{ "code": "20", "message": "ItemCost cannot be null", "data": null }</pre>	

54. [Negatif] Edit PO Header & PO Detail RC20 (ItemPrice cannot be null)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/1)
Method	POST
Request	
<pre>{ "description": "Pembelian alat berat", "itemId": 1, "itemQty": 2, "itemCost": 8090000, "itemPrice": null }</pre>	
Response	
<pre>{ "code": "20", "message": "ItemPrice cannot be null", "data": null }</pre>	

55. [Negatif] Edit PO Header & PO Detail RC40 (PO with id 11 not found)

ENV	http://localhost:8080
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/11)
Method	POST
Request	
<pre>{ "description": "Pembelian alat berat", "itemId": 1, "itemQty": 2, "itemCost": 8090000, "itemPrice": 670000 }</pre>	

}
Response
<pre>{ "code": "40", "message": "PO with id 11 not found", "data": null }</pre>

56. [Normal] Delete PO Header RC00 (Success)

ENV	http://localhost:8080																																																																																											
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/5)																																																																																											
Method	DELETE																																																																																											
Request																																																																																												
Response																																																																																												
{ "code": "00", "message": "PO Deleted Successfully", "data": null }																																																																																												
Database																																																																																												
<table><tr><th></th><th></th><th>id</th><th>datetime</th><th>description</th><th>total_price</th><th>total_cost</th><th>created_by</th><th>updated_by</th><th>created_datetime</th><th>updated_datetime</th></tr><tr><td><input type="checkbox"/></td><td></td><td>Ubah</td><td></td><td>Salin</td><td></td><td>Hapus</td><td>1</td><td>2025-09-15 10:00:00</td><td>First Order</td><td>15200000</td><td>12150000</td><td>alfian@example.com</td><td>budi@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td></td><td>Ubah</td><td></td><td>Salin</td><td></td><td>Hapus</td><td>2</td><td>2025-09-16 11:00:00</td><td>Second Order</td><td>26000000</td><td>21500000</td><td>budi@example.com</td><td>citra@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td></td><td>Ubah</td><td></td><td>Salin</td><td></td><td>Hapus</td><td>3</td><td>2025-09-17 12:00:00</td><td>Third Order</td><td>8000000</td><td>6000000</td><td>citra@example.com</td><td>dewi@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td></td><td>Ubah</td><td></td><td>Salin</td><td></td><td>Hapus</td><td>4</td><td>2025-09-18 13:00:00</td><td>Fourth Order</td><td>155000000</td><td>123500000</td><td>dewi@example.com</td><td>eka@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td></td><td>Ubah</td><td></td><td>Salin</td><td></td><td>Hapus</td><td>6</td><td>2025-09-17 21:39:17</td><td>Pembelian alat perang</td><td>7000000</td><td>5000000</td><td>alfian@example.com</td><td>NULL</td><td>2025-09-17 21:39:17</td><td>2025-09-17 21:39:17</td></tr></table>				id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime	<input type="checkbox"/>		Ubah		Salin		Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>		Ubah		Salin		Hapus	2	2025-09-16 11:00:00	Second Order	26000000	21500000	budi@example.com	citra@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>		Ubah		Salin		Hapus	3	2025-09-17 12:00:00	Third Order	8000000	6000000	citra@example.com	dewi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>		Ubah		Salin		Hapus	4	2025-09-18 13:00:00	Fourth Order	155000000	123500000	dewi@example.com	eka@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>		Ubah		Salin		Hapus	6	2025-09-17 21:39:17	Pembelian alat perang	7000000	5000000	alfian@example.com	NULL	2025-09-17 21:39:17	2025-09-17 21:39:17
		id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime																																																																																		
<input type="checkbox"/>		Ubah		Salin		Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46																																																																													
<input type="checkbox"/>		Ubah		Salin		Hapus	2	2025-09-16 11:00:00	Second Order	26000000	21500000	budi@example.com	citra@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46																																																																													
<input type="checkbox"/>		Ubah		Salin		Hapus	3	2025-09-17 12:00:00	Third Order	8000000	6000000	citra@example.com	dewi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46																																																																													
<input type="checkbox"/>		Ubah		Salin		Hapus	4	2025-09-18 13:00:00	Fourth Order	155000000	123500000	dewi@example.com	eka@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46																																																																													
<input type="checkbox"/>		Ubah		Salin		Hapus	6	2025-09-17 21:39:17	Pembelian alat perang	7000000	5000000	alfian@example.com	NULL	2025-09-17 21:39:17	2025-09-17 21:39:17																																																																													

57. [Negatif] Delete PO Header RC40 (PO with id 10 not found)

ENV	http://localhost:8080																																																																																							
Path	/api/poHeader/{id} Contoh: (http://localhost:8080/api/poHeader/10)																																																																																							
Method	DELETE																																																																																							
Request																																																																																								
Response																																																																																								
<pre>{ "code": "40", "message": "PO with id 10 not found", "data": null}</pre>																																																																																								
Database																																																																																								
<table><tr><th></th><th></th><th></th><th>id</th><th>datetime</th><th>description</th><th>total_price</th><th>total_cost</th><th>created_by</th><th>updated_by</th><th>created_datetime</th><th>updated_datetime</th></tr><tr><td><input type="checkbox"/></td><td>Ubah</td><td><input type="checkbox"/></td><td>Salin</td><td><input type="checkbox"/></td><td>Hapus</td><td>1</td><td>2025-09-15 10:00:00</td><td>First Order</td><td>15200000</td><td>12150000</td><td>alfian@example.com</td><td>budi@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td>Ubah</td><td><input type="checkbox"/></td><td>Salin</td><td><input type="checkbox"/></td><td>Hapus</td><td>2</td><td>2025-09-16 11:00:00</td><td>Second Order</td><td>26000000</td><td>21500000</td><td>budi@example.com</td><td>citra@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td>Ubah</td><td><input type="checkbox"/></td><td>Salin</td><td><input type="checkbox"/></td><td>Hapus</td><td>3</td><td>2025-09-17 12:00:00</td><td>Third Order</td><td>8000000</td><td>6000000</td><td>citra@example.com</td><td>dewi@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td>Ubah</td><td><input type="checkbox"/></td><td>Salin</td><td><input type="checkbox"/></td><td>Hapus</td><td>4</td><td>2025-09-18 13:00:00</td><td>Fourth Order</td><td>155000000</td><td>123500000</td><td>dewi@example.com</td><td>eka@example.com</td><td>2025-09-17 21:27:46</td><td>2025-09-17 21:27:46</td></tr><tr><td><input type="checkbox"/></td><td>Ubah</td><td><input type="checkbox"/></td><td>Salin</td><td><input type="checkbox"/></td><td>Hapus</td><td>6</td><td>2025-09-17 21:39:17</td><td>Pembelian alat perang</td><td>7000000</td><td>5000000</td><td>alfian@example.com</td><td>NULL</td><td>2025-09-17 21:39:17</td><td>2025-09-17 21:39:17</td></tr></table>					id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime	<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	1	2025-09-15 10:00:00	First Order	15200000	12150000	alfian@example.com	budi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	2	2025-09-16 11:00:00	Second Order	26000000	21500000	budi@example.com	citra@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	3	2025-09-17 12:00:00	Third Order	8000000	6000000	citra@example.com	dewi@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	4	2025-09-18 13:00:00	Fourth Order	155000000	123500000	dewi@example.com	eka@example.com	2025-09-17 21:27:46	2025-09-17 21:27:46	<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	6	2025-09-17 21:39:17	Pembelian alat perang	7000000	5000000	alfian@example.com	NULL	2025-09-17 21:39:17	2025-09-17 21:39:17
			id	datetime	description	total_price	total_cost	created_by	updated_by	created_datetime	updated_datetime																																																																													
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<input type="checkbox"/>	Ubah	<input type="checkbox"/>	Salin	<input type="checkbox"/>	Hapus	6	2025-09-17 21:39:17	Pembelian alat perang	7000000	5000000	alfian@example.com	NULL	2025-09-17 21:39:17	2025-09-17 21:39:17																																																																										

58. [Normal] Delete PO Detail RC00 (Success)

ENV	http://localhost:8080
Path	/api/poHeader/detail/{id} Contoh: (http://localhost:8080/api/poHeader/detail/2)
Method	DELETE

Request

Response

```
{  
  "code": "00",  
  "message": "PO Detail Deleted Successfully",  
  "data": null  
}
```

Database

←T→

▼

id

poh_id

item_id

item_qty

item_cost

item_price

<div><div><div><div></div></div><div><div></div></div></div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	1	1	1	1	12000000	15000000
<div><div><div><div></div></div><div><div></div></div></div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	3	2	4	1	2000000	2500000
<div><div><div><div></div></div><div><div></div></div></div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	4	3	3	1	600000	800000
<div><div><div><div></div></div><div><div></div></div></div><div><div>Ubah</div><div>Salin</div><div>Hapus</div></div></div>	6	6	1	2	500000	700000

59. [Negatif] Delete PO Detail RC40 (PO Detail with id 30 not found)

ENV	http://localhost:8080
Path	/api/poHeader/detail/{id} Contoh: (http://localhost:8080/api/poHeader/detail/30)
Method	DELETE
Request	
Response	
<pre>{ "code": "40", "message": "PO Detail with id 30 not found", "data": null }</pre>	
Database	
<div><div><div>←T→</div><div><div><div></div><div></div><div></div></div><div>Ubah</div><div><div></div><div></div><div></div></div><div>Salin</div><div><div></div><div></div><div></div></div><div>Hapus</div></div><div><div>id</div><div>poh_id</div><div>item_id</div><div>item_qty</div><div>item_cost</div><div>item_price</div></div><div><div><div></div><div></div><div></div></div><div>1</div><div>1</div><div>1</div><div>1</div><div>12000000</div><div>15000000</div></div><div><div><div></div><div></div><div></div></div><div>3</div><div>2</div><div>4</div><div>1</div><div>2000000</div><div>2500000</div></div><div><div><div></div><div></div><div></div></div><div>4</div><div>3</div><div>3</div><div>1</div><div>600000</div><div>800000</div></div><div><div><div></div><div></div><div></div></div><div>6</div><div>6</div><div>1</div><div>2</div><div>500000</div><div>700000</div></div></div></div>	