



learn blockchain

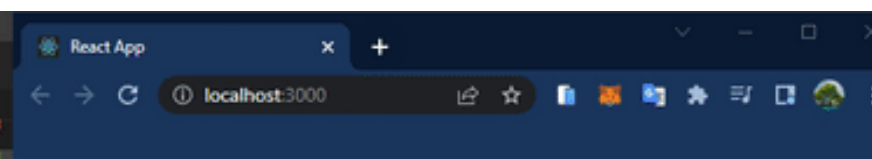
Lesson 10

T

menggunakan framework react js , dan melakukan sebuah perintah script yang membuat perintah request ke browser dimana jika memiliki metamask yang terkoneksi akan auto masuk ke akun metamask

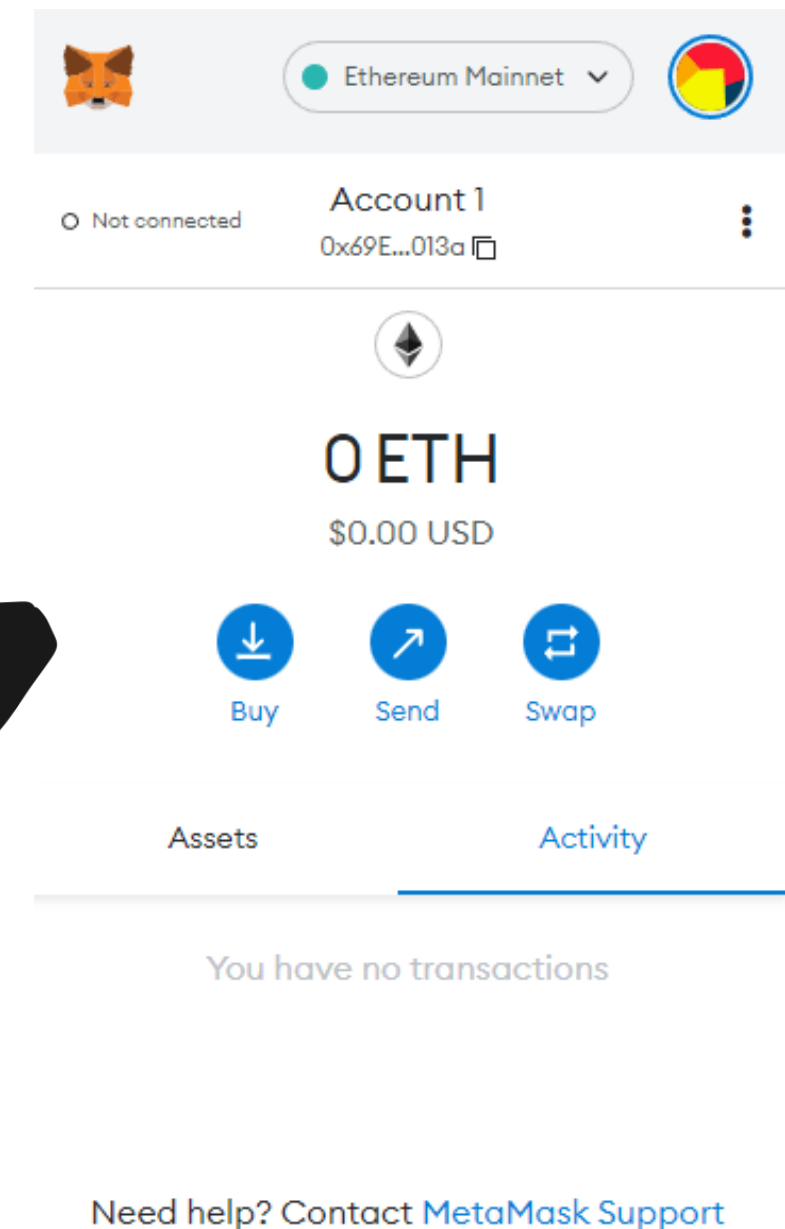
```
JS App.js M X JS index.js
my-app > src > JS App.js > App

4
5
6 async function connect() {
7   if (typeof window.ethereum !== "undefined") {
8     await window.ethereum.request({ method:
9       "eth_requestAccounts" });
10    document.getElementById("connect").innerHTML =
11      "Connected";
12   } else {
13     document.getElementById("connect").innerHTML = "Not
14     Connected";
15   }
16 }
17
18 return (
19   <div className="App">
20     <h1>Hello Welcome to Web3</h1>
21     <button style={{
22       backgroundColor: "#00ff00",
23       border: "none",
24       borderRadius: "5px",
25       color: "white",
26       padding: "10px",
27       textAlign: "center",
28       textDecoration: "none",
29       display: "inline-block",
30       fontSize: "16px",
31       margin: "4px 2px",
32       cursor: "pointer"
33     }} id="connect" onClick={
34       () => {
35         connect();
36       }
37     }>
```



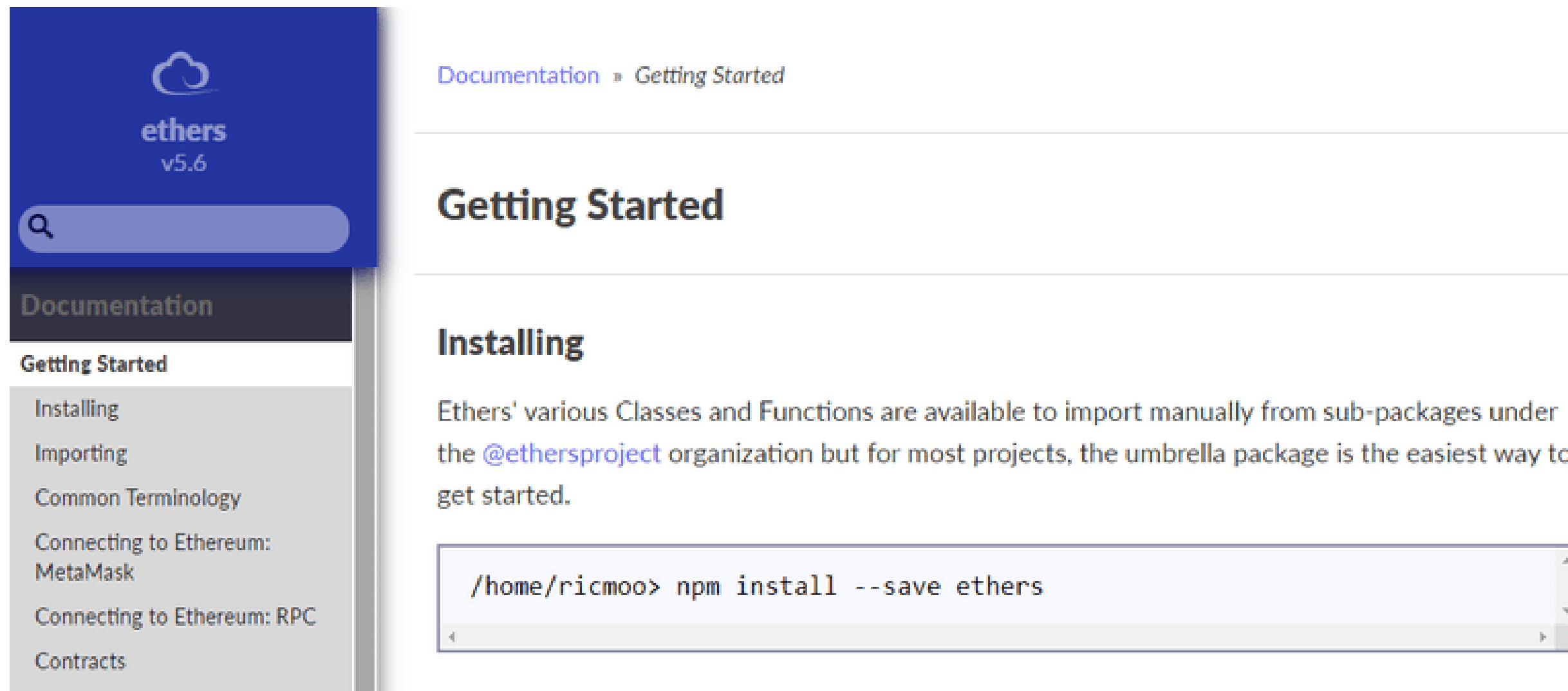
Hello Welcome to Web3

Connected



Menjalankan fungsi fund dengan dua address berbeda

untuk berinteraksi dengan ethereum , maka menggunakan socket web i.o yaitu ethers



The screenshot displays the ethers.js v5.6 documentation website. On the left is a dark blue sidebar with the ethers logo and a search bar. Below the search bar, a 'Documentation' menu is visible, with 'Getting Started' highlighted. The main content area has a breadcrumb trail 'Documentation » Getting Started' and a large 'Getting Started' heading. Underneath, the 'Installing' section is shown, explaining that ethers classes and functions are available for manual import or via an umbrella package. A terminal window snippet shows the command to install ethers via npm.

ethers
v5.6

Documentation

Getting Started

Installing

Importing

Common Terminology

Connecting to Ethereum: MetaMask

Connecting to Ethereum: RPC

Contracts

Documentation » Getting Started

Getting Started

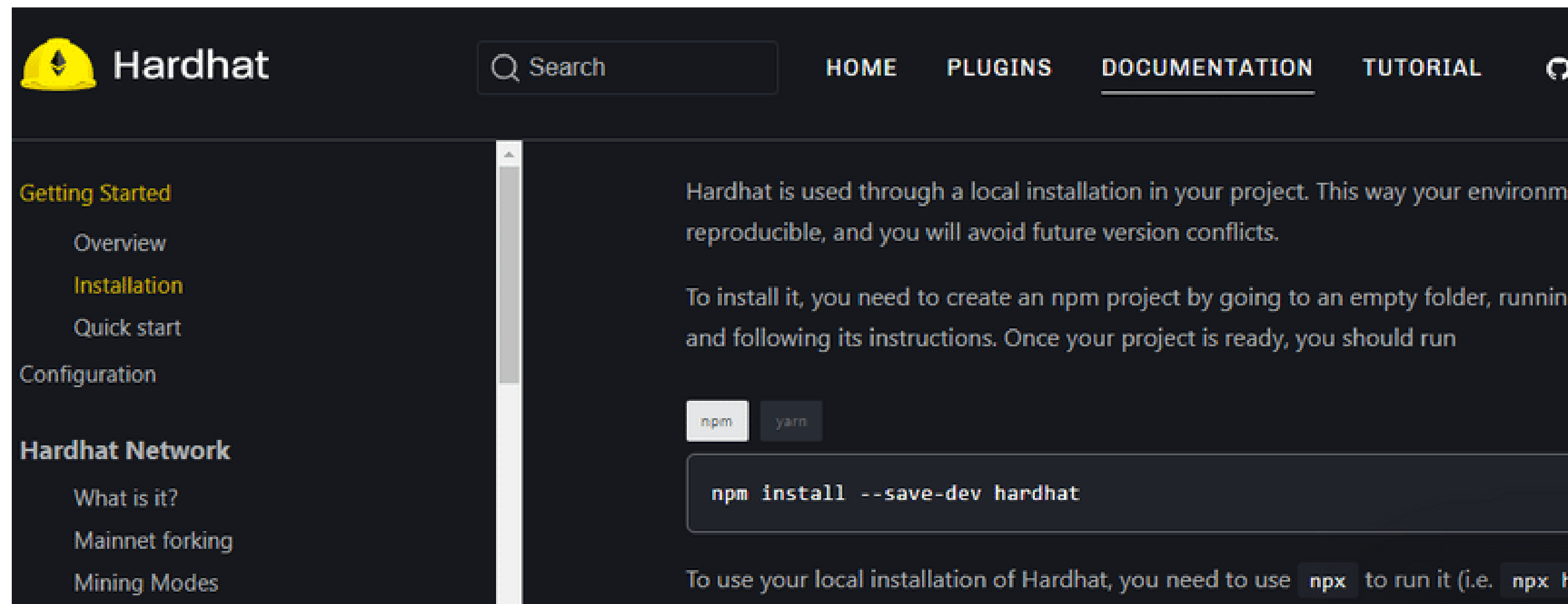
Installing

Ethers' various Classes and Functions are available to import manually from sub-packages under the [@ethersproject](#) organization but for most projects, the umbrella package is the easiest way to get started.

```
/home/ricmoo> npm install --save ethers
```

Menjalankan fungsi fund dengan dua address berbeda

dan untuk menguji proses interaksi menggunakan library hardhat



Menjalankan fungsi fund dengan dua address berbeda

membuat network baru untuk melakukan transaksi dengan click button fund

Networks > Add a network

i A malicious network provider can lie about the state of the blockchain and record your network activity. Only add custom networks you trust.

Network Name

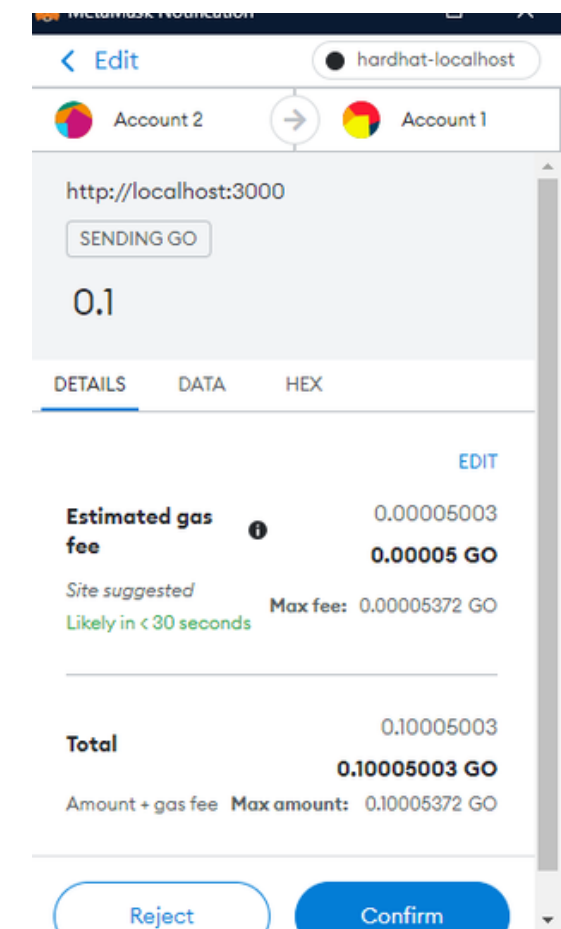
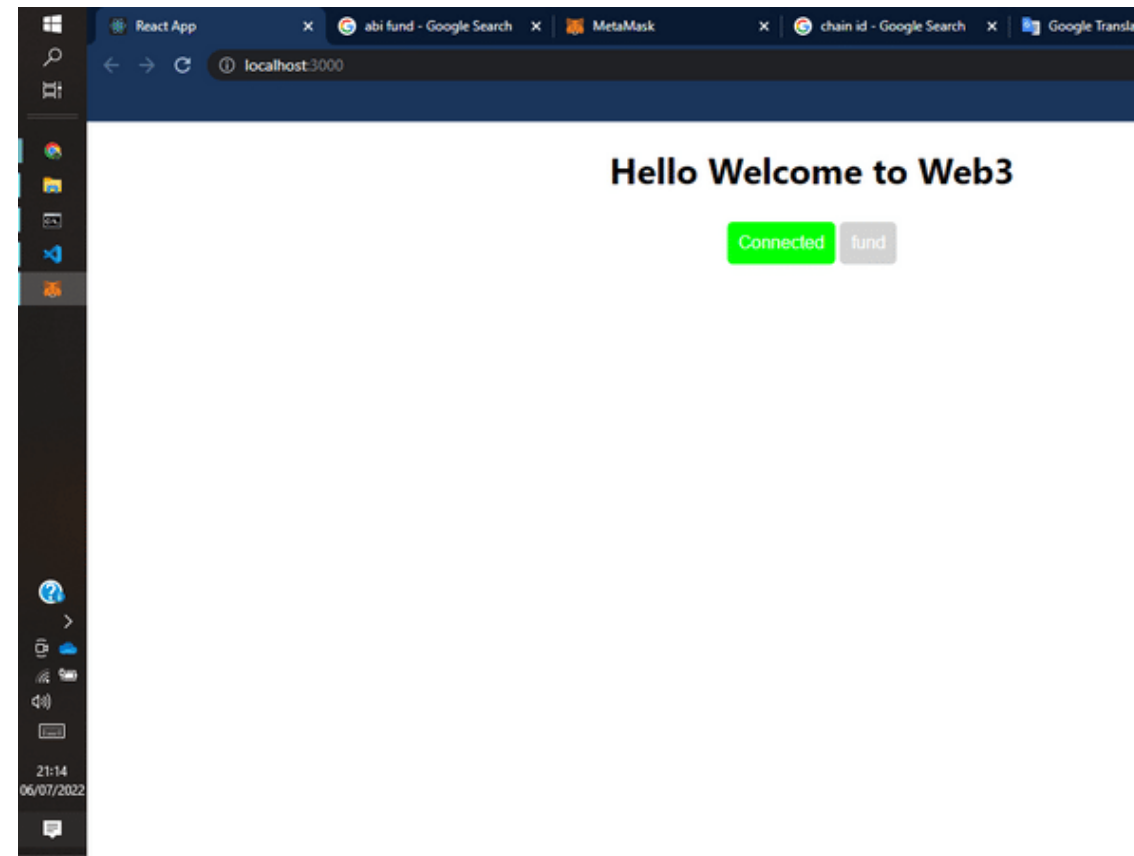
New RPC URL

Chain ID ⓘ

Currency Symbol

Block Explorer URL

(Optional)



Menjalankan fungsi get balance dan withdrawl

menampilkan total transaksi yang telah terjadi dengan fungsi get balance dan melakukan withdrawl

