

**DAFTAR LAMPIRAN****Lampiran 1 – Daftar Riwayat Hidup****Data Pribadi**

Nama : Muhammad Wahyu Sabiqudin  
 Tempat, Tanggal Lahir : Brebes, 20 Februari 1996  
 Jenis Kelamin : Laki - Laki  
 Agama : Islam  
 Kewarganegaraan : Indonesia  
 Alamat : Jalan Taman Asri lama No.32 Cipadu Jaya Larangan  
 Nomor Telepon / HP : 0896-6823-0939  
 E-mail : wahyumuhammad775@yahoo.co.id

**Riwayat Pendidikan**

Periode (Tahun)			Sekolah/Institusi	Jurusan	Jenjang Pendidikan
2002	-	2008	SDI AL-Hidayah	-	SD
2008	-	2011	SMP PGRI 3 Larangan	-	SMP
2011	-	2014	SMK SATTRIA Srengseng	-	SMK

## Lampiran 2 – Surat Melakukan Penelitian



Kp. Margajaya No. 69 RT.003/RW.004 Kel. Pakulon Kec. Serpong Utara Kota Tangerang Selatan (15325)  
Phone : 08194210830 (WA) – 081384454393

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Perihal : **Balasan surat izin penelitian**

Dengan Hormat,

Yang bertanda tangan dibawah ini :

Nama : Slamet Setiyo

Jabatan : Pemilik

Menanggapi surat saudara NO 81-071/SP/KAPRODI-IF/FASILKOM/UEU/EXT/IX/2022 tanggal 30 September 2022 perihal “Permohonan Ijin Penelitian, pada mahasiswa :

Nama : Muhammad Wahyu Sabiqudin

NIM : 20180801162

Jurusan : Teknik Informatika

Universitas : Universitas Esa Unggul

Judul Skripsi : Rancang Bangun Aplikasi Laporan Maintenance Helpdesk  
Dengan Metode RAD Berbasis WEB

Dengan ini diberitahukan mengenai skripsinya bahwa kami tidak keberatan dengan permohonan yang dimaksud. Demikian surat balasan dari kami.

Tangerang, 11 November 2022

Hormat Kami,

**Pemilik CV. Albahritech**

**Slamet Setiyo**

### Lampiran 3 - *Developer Guide*

Menjalankan aplikasi Layanan perjanjian Berbasis Teknologi Blockchain Menggunakan DApp Web-Based project:

1. Buka aplikasi ganache workspace pada desktop
2. Truffle Unbox React pada menu cli.
3. Kemudian compile smartcontract untuk mendapatkan contract address ethereum.
4. Copy contract address pada SimpleStorage.js
5. Jalankan perintah “npm start” pada terminal untuk menjalankan DApp
6. DApp dapat dijalankan di web browser pada <http://localhost:3000/>
7. Import private key pada account address yang ada di ganache ke *e-wallet* metamask
8. Open IPFS Desktop untuk keperluan sharing data menggunakan CID sebagai key untuk mengakses data tersebut.

## Lampiran 4 – Source Code (SimpleStorage.sol)

```

SimpleStorage.sol x
src > contracts > SimpleStorage.sol
1 // SPDX-License-Identifier: GPL-3.0
2
3 pragma solidity >=0.8.2 <0.9.0;
4
5 contract SimpleStorage {
6
7     // data point
8     string public storedData;
9
10    event myEventTest(string eventOutput);
11
12    function set(string memory myText) public {
13        storedData = myText;
14        emit myEventTest(myText);
15    }
16
17    function get() public view returns (string memory) {
18        return storedData;
19    }
20
21 }

```

## Lampiran 5 – Source Code (SimpleStorage.js)

```

JS SimpleStorage.js x
src > JS SimpleStorage.js > SimpleStorage
1 // https://docs.metamask.io/guide/ethereum-provider.html#using-the-provider
2
3 import React, {useState} from 'react'
4 import {ethers} from 'ethers'
5 import SimpleStorage_abi from '/home/zyrex/Desktop/layananservice/SimpleStorage/src/SimpleStorage_abi.json'
6
7 const SimpleStorage = () => {
8
9     // deploy simple storage contract and paste deployed contract address here. This value is local ganache chain
10    let contractAddress = '0x49E3093E58C17276a2751dB1eb0ea8BF8308800b';
11
12    const [errorMessage, setErrorMessage] = useState(null);
13    const [defaultAccount, setDefaultAccount] = useState(null);
14    const [connButtonText, setConnButtonText] = useState('Connect Wallet');
15
16    const [currentContractVal, setCurrentContractVal] = useState(null);
17
18    const [provider, setProvider] = useState(null);
19    const [signer, setSigner] = useState(null);
20    const [contract, setContract] = useState(null);
21
22    const connectWalletHandler = () => {
23        if (window.ethereum && window.ethereum.isMetaMask) {
24
25            window.ethereum.request({ method: 'eth_requestAccounts'})
26            .then(result => {
27                accountChangedHandler(result[0]);
28                setConnButtonText('Wallet Connected');
29            })
30            .catch(error => {
31                setErrorMessage(error.message);

```



## Lampiran 6 – Source Code (SimpleStorage\_abi.json)

```
src > {} SimpleStorage_abi.json > ...
1
2 {
3   "anonymous": false,
4   "inputs": [
5     {
6       "indexed": false,
7       "internalType": "string",
8       "name": "eventOutput",
9       "type": "string"
10    }
11  ],
12  "name": "myEventTest",
13  "type": "event"
14 },
15 {
16   "inputs": [
17     {
18       "internalType": "string",
19       "name": "myText",
20       "type": "string"
21     }
22   ],
23   "name": "set",
24   "outputs": [],
25   "stateMutability": "nonpayable",
26   "type": "function"
27 },
28 {
29   "inputs": [],
30   "name": "get",
31   "outputs": [
```

```
33     "internalType": "string",
34     "name": "",
35     "type": "string"
36   ]
37 },
38 "stateMutability": "view",
39 "type": "function"
40 },
41 {
42   "inputs": [],
43   "name": "storedData",
44   "outputs": [
45     {
46       "internalType": "string",
47       "name": "",
48       "type": "string"
49     }
50   ],
51   "stateMutability": "view",
52   "type": "function"
53 }
54 }
```

## Lampiran 7 – Source Code Pembayaran (index.html)

```

<> index.html x
<> index.html > <> html > <> body > <> button#btn3
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5 <meta charset="UTF-8">
6 <meta http-equiv="X-UA-Compatible" content="IE=edge">
7 <meta name="viewport" content="width=device-width, initial-scale=1.0">
8 <title>Simple Ethereum Transfer Dapp</title>
9 <script src="https://cdn.jsdelivr.net/gh/ethereum/web3.js@1.0.0-beta.34/dist/web3.min.js"></script>
10 <!-- <script src="https://cdn.ethers.io/lib/ethers-5.2.umd.min.js"></script> -->
11
12 <style>
13   body {
14     margin: 0;
15     padding: 0;
16     font-family: sans-serif;
17
18     display: flex;
19     flex-direction: column;
20     justify-content: center;
21     align-items: center;
22   }
23   body{
24     height: 80vh;
25     background-image: url(https://img.freepik.com/premium-photo/ethereum-coins-cryptocurrency-falling-white-background-3d-rendering_11000000.jpg);
26     background-size: cover;
27     background-position: center;
28     background-repeat: no-repeat;
29   }
30

```

```

31
32   * {
33     margin: 15px;
34   }
35   button {
36     border: none;
37     outline: none;
38     padding: 10px;
39     width: 150px;
40     font-size: 15px;
41     color: #fff;
42     cursor: pointer;
43     margin-top: 10px;
44     border-radius: 10px;
45     background: #ffa12c;
46   }
47   button:hover {
48     background: rgba(214, 86, 64, 1);
49   }
50
51   input {
52     width: 100%;
53     margin: 5px;
54     border: none;
55     outline: none;
56     padding: 10px;
57     border-radius: 2px;
58     border: 4px solid gray;
59   }
60
61 </style>

```





```
149 console.log('to : ' + receiver);
150
151 await web3.eth.sendTransaction({ from: address, to: receiver, value: web3.utils.toWei(amount, "ether"), gas: 3000000});
152 (err, suc) => {
153   if (err) {
154     console.log(err);
155   }
156   else {
157     console.log('Transaction Hash : ' + suc);
158     sentmsg = 'Transferred Successfully!\n' + 'Transaction Hash : ' + suc;
159     document.getElementById('sent').innerText = "In progress...\n" + 'Transaction Hash : ' + suc;
160   }
161 }
162
163 .then(() => {
164   console.log('Transferred');
165   document.getElementById('sent').innerText = sentmsg;
166 })
167 ).catch((err) => {
168   console.log(err);
169 });
170
171 };
172
173 console.log('script loaded');
174 </script>
175 </body>
176 </html>
177
178
179
```