

LAPORAN PRAKTIKUM

TEKNOLOGI CLOUD

Pertemuan 5



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BAB I

PEMBAHASAN LATIHAN

Install dan coba jalankan Apache OFBiz

1. Sebelum menginstall Apache OFBiz dilakukan pengecekan Java terlebih dahulu. Cara mengetahui Java telah terinstall atau belum dengan menggunakan perintah java dan javac pada command prompt.

```
Microsoft Windows [Version 10.0.19043.1586]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Isna>java
Usage: java [-options] class [args...]
           (to execute a class)
 or  java [-options] -jar jarfile [args...]
           (to execute a jar file)
where options include:
  -d32          use a 32-bit data model if available
  -d64          use a 64-bit data model if available
  -server       to select the "server" VM
                 The default VM is server.

  -cp <class search path of directories and zip/jar files>
  -classpath <class search path of directories and zip/jar files>
               A ; separated list of directories, JAR archives,
               and ZIP archives to search for class files.
  -D<name>=<value>
               set a system property
  -verbose[:<class|gc|jni>]
               enable verbose output
  -version      print product version and exit
  -version:<value>
               Warning: this feature is deprecated and will be removed
               in a future release.
               require the specified version to run
  -showversion  print product version and continue
  -jre-restrict-search | -no-jre-restrict-search
               Warning: this feature is deprecated and will be removed
               in a future release.
               include/exclude user private JREs in the version search
  -? -help     print this help message
  -X           print help on non-standard options
  -ea[:<packagename>...[:<classname>]]
  -enableassertions[:<packagename>...[:<classname>]]
               enable assertions with specified granularity
  -da[:<packagename>...[:<classname>]]
  -disableassertions[:<packagename>...[:<classname>]]
               disable assertions with specified granularity
  -esa | -enablesystemassertions
               enable system assertions
  -dsa | -disablesystemassertions
```

```

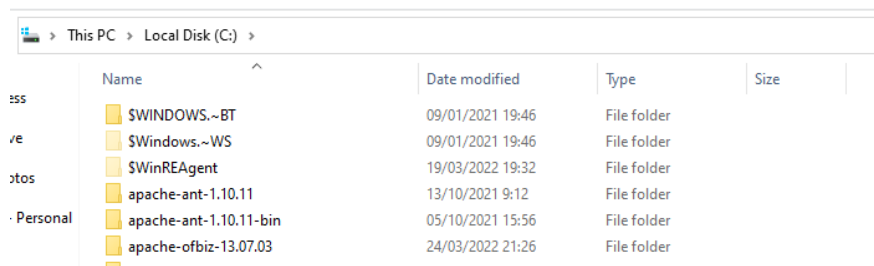
C:\Users\Isna>javac
Usage: javac <options> <source files>
where possible options include:
  -g               Generate all debugging info
  -g:none          Generate no debugging info
  -g:{lines,vars,source} Generate only some debugging info
  -nowarn          Generate no warnings
  -verbose         Output messages about what the compiler is doing
  -deprecation     Output source locations where deprecated APIs are used

  -classpath <path> Specify where to find user class files and annotation
processors
  -cp <path>        Specify where to find user class files and annotation
processors
  -sourcepath <path> Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>    Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
  -proc:{none,only} Control whether annotation processing and/or compilati
on is done.
  -processor <class1>[,<class2>,<class3>...] Names of the annotation processors to
run; bypasses default discovery process
  -processorpath <path> Specify where to find annotation processors
  -parameters      Generate metadata for reflection on method parameters
  -d <directory>    Specify where to place generated class files
  -s <directory>    Specify where to place generated source files
  -h <directory>    Specify where to place generated native header files
  -implicit:{none,class} Specify whether or not to generate class files for imp
licitly referenced files
  -encoding <encoding> Specify character encoding used by source files
  -source <release>  Provide source compatibility with specified release
  -target <release>  Generate class files for specific VM version
  -profile <profile> Check that API used is available in the specified prof
ile
  -version          Version information
  -help             Print a synopsis of standard options
  -Akey[=value]     Options to pass to annotation processors
  -X               Print a synopsis of nonstandard options
  -J<flag>          Pass <flag> directly to the runtime system
  -Werror           Terminate compilation if warnings occur
  @<filename>       Read options and filenames from file

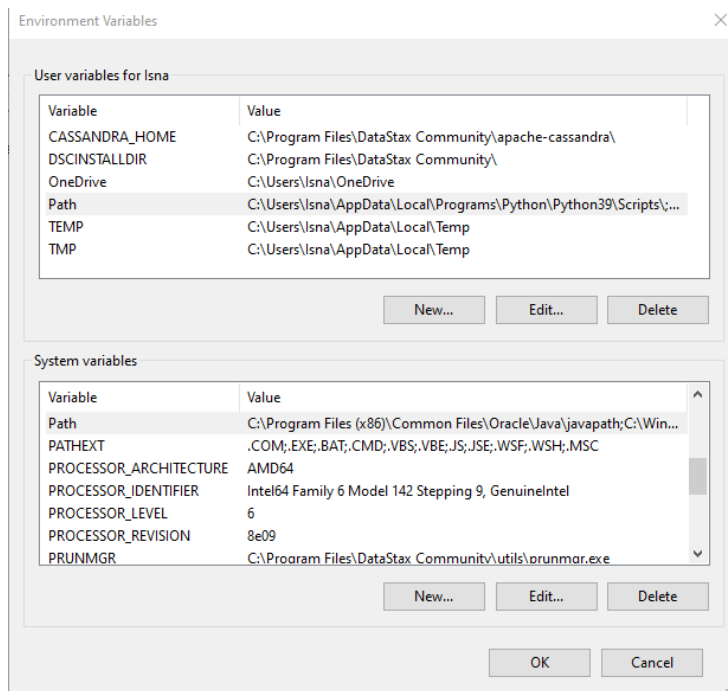
```

Dari hasil yang ditampilkan, java dan javac sudah terinstall pada komputer lokal. Sehingga kita dapat menjalankan langkah selanjutnya.

2. Mendownload Apache OFBiz pada link berikut
<https://ofbiz.apache.org/download.html>
3. Setelah terdownload kemudian lakukan ekstrak folder download apache tersebut.



Setelah itu copy folder ke path yang ada di system variabel



4. Buka command prompt kemudian masuk ke direktori apache ofbiz
5. Install gradle atau apache ant untuk mengkompilasi source code menjadi executable.

6. Setelah itu ketik ant load-demo atau ant.bat load-demo

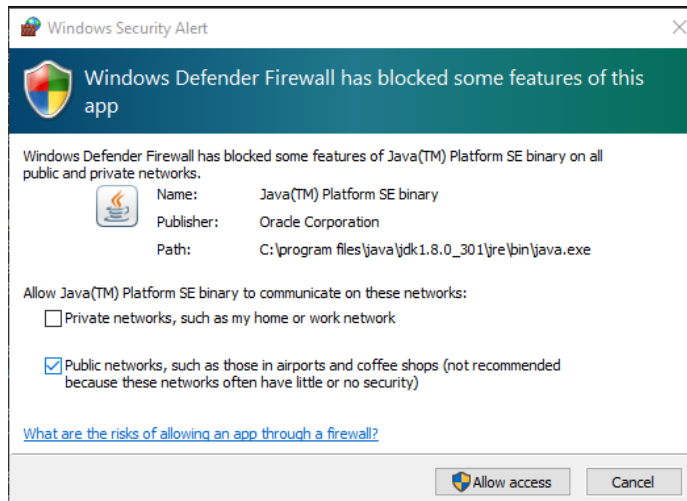
```
ce/data/DemoProductAdditionalViewData.xml
[java] 2022-03-24 21:31:20,180 |main |EntityDataLoadContainer
|I| 00034 of 14778 from file:/C:/apache-ofbiz-13.07.03/specialpurpose/ecommer
ce/data/DemoPopularCategoriesData.xml
[java] 2022-03-24 21:31:20,180 |main |EntityDataLoadContainer
|I| 00012 of 14790 from file:/C:/apache-ofbiz-13.07.03/specialpurpose/ecommer
ce/data/DemoContentAltUrl.xml
[java] 2022-03-24 21:31:20,180 |main |EntityDataLoadContainer
|I| ----- Finished the data load with 14790 rows changed.
[java] 2022-03-24 21:31:20,180 |main |ContainerLoader
|I| Started container dataload-container
[java] 2022-03-24 21:31:20,180 |main |ContainerLoader
|I| Shutting down containers
[java] 2022-03-24 21:31:20,180 |main |ContainerLoader
|I| Stopping container dataload-container
[java] 2022-03-24 21:31:20,180 |main |ContainerLoader
|I| Stopped container dataload-container
[java] 2022-03-24 21:31:20,180 |main |ContainerLoader
|I| Stopping container service-container
[java] 2022-03-24 21:31:20,191 |main |JobPoller
|I| Shutting down JobPoller.
[java] 2022-03-24 21:31:20,192 |main |JobPoller
|I| JobPoller shutdown completed.
[java] 2022-03-24 21:31:20,192 |main |ServiceContainer
|I| Removing from cache dispatcher: entity-default
[java] 2022-03-24 21:31:20,192 |main |ServiceDispatcher
|I| De-Registering dispatcher: entity-default
[java] 2022-03-24 21:31:20,192 |main |ServiceDispatcher
|I| Shutting down the service engine...
[java] 2022-03-24 21:31:20,192 |main |ContainerLoader
|I| Stopped container service-container
[java] 2022-03-24 21:31:20,192 |main |ContainerLoader
|I| Stopping container classloader-container
[java] 2022-03-24 21:31:20,192 |main |ContainerLoader
|I| Stopped container classloader-container
[java] 2022-03-24 21:31:20,192 |main |ContainerLoader
|I| Stopping container component-container
[java] 2022-03-24 21:31:20,192 |main |ContainerLoader
|I| Stopped container component-container

BUILD SUCCESSFUL
Total time: 5 minutes 1 second
C:\apache-ofbiz-13.07.03>
```

Perintah di atas digunakan untuk menginputkan data ke database demo.

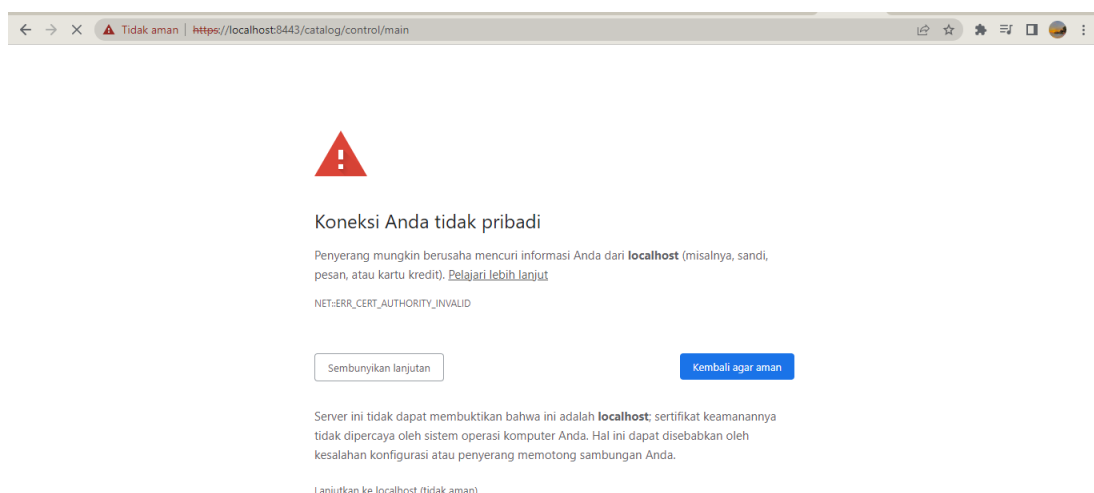
7. Setelah terinstal, kemudian kita jalankan Apache OFBiz dengan perintah `ant.bat start` atau `ant start`.

Disini saya menggunakan perintah `ant.bat start`. Setelah kita jalankan kemudian kita tunggu terlebih dahulu hingga proses berjalan dan muncul tampilan seperti pada gambar di bawah ini.



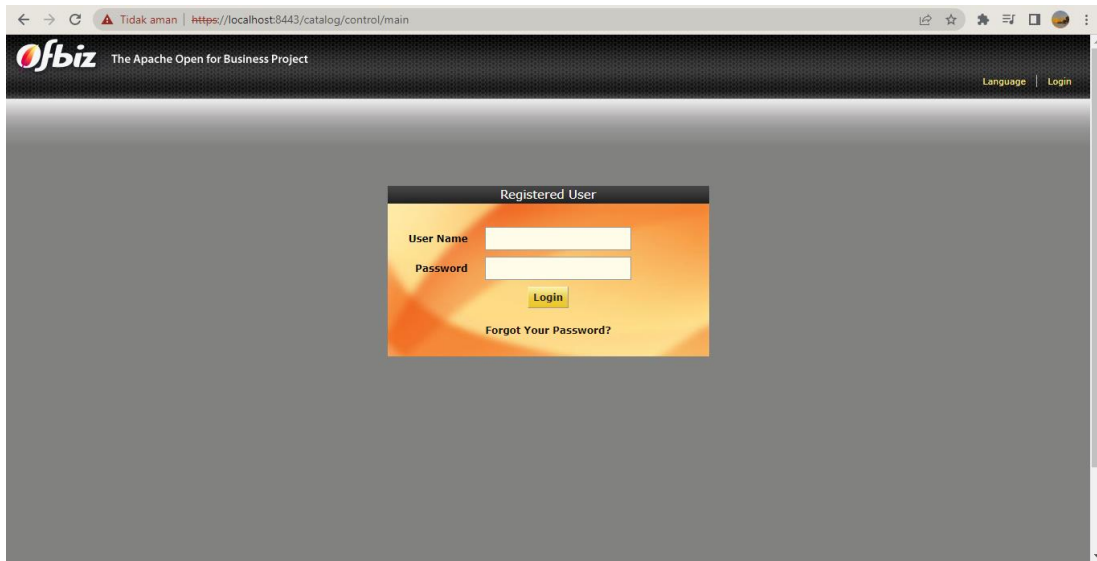
Klik tombol “Allow access” untuk melanjutkan program. Apache OFBiz telah selesai diinstall.

8. Untuk menjalankan Apache OFBiz, kita cukup mengetikkan link berikut <https://127.0.0.1:8443/catalog/control/main> atau <https://localhost:8443/catalog> pada web browser komputer lokal. Setelah berhasil masuk ke link tersebut, maka tampilannya seperti pada gambar berikut ini.



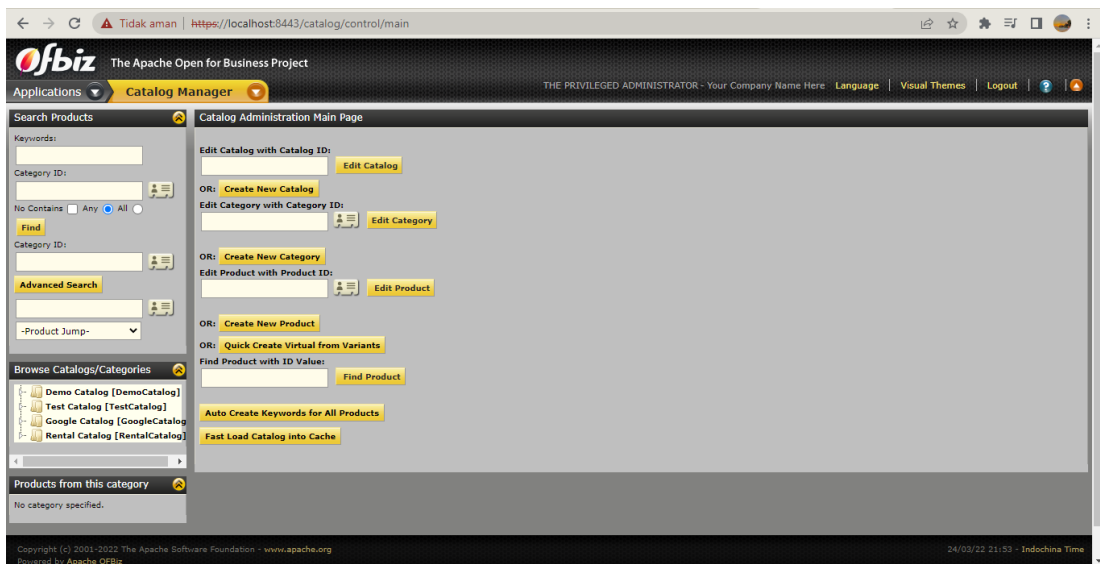
Pilih lanjutkan ke localhost (tidak aman)

Setelah kita lanjutkan, maka akan muncul halaman baru dengan tampilan seperti pada gambar di bawah ini :



Pada halaman ini kita dapat melakukan login. Untuk melakukan login, kita perlu mengetahui username dan passwordnya.

9. Masukkan username berupa “admin” dan password berupa “ofbiz”. Setelah username dan password berhasil dimasukkan, maka tampilannya akan menjadi seperti gambar berikut ini.



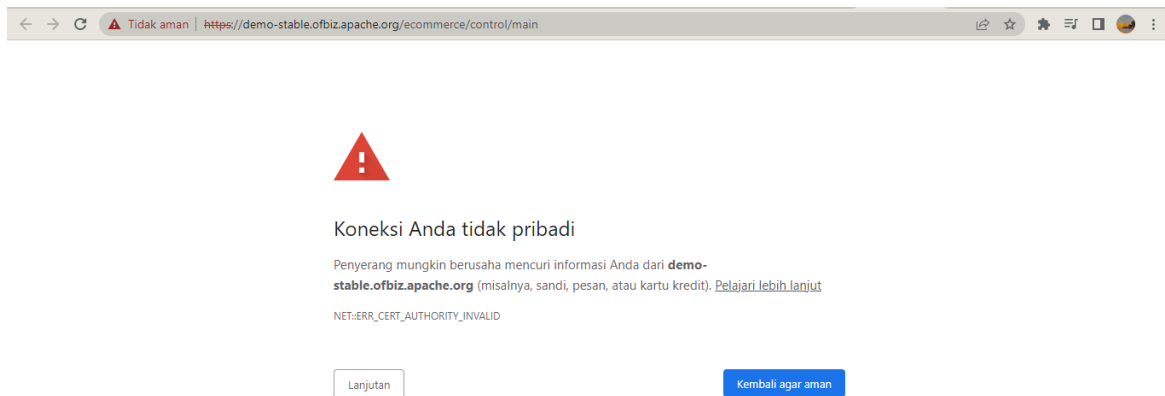
Dari hasil yang ditampilkan menunjukkan bahwa Apache OFBiz telah berhasil diinstal dan siap digunakan untuk langkah selanjutnya.

BAB II

PEMBAHASAN TUGAS

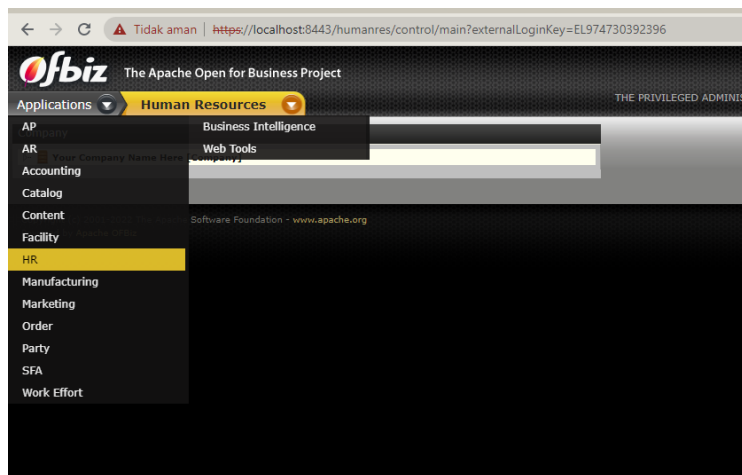
Dengan menggunakan fasilitas demo, pilihlah E-Commerce webstore atau backend ERP. Setelah itu, buatlah panduan dasar pemakaiannya. Anda bebas memilih tema (misal – panduan berbelanja di Webstore E-Commerce). Gunakan kreativitas anda.

Pada bagian tugas ini, untuk demo pada link tidak dapat diakses karena terjadi kesalahan dan web browser yang digunakan telah terlindungi sehingga muncul tampilan seperti pada gambar di bawah ini.

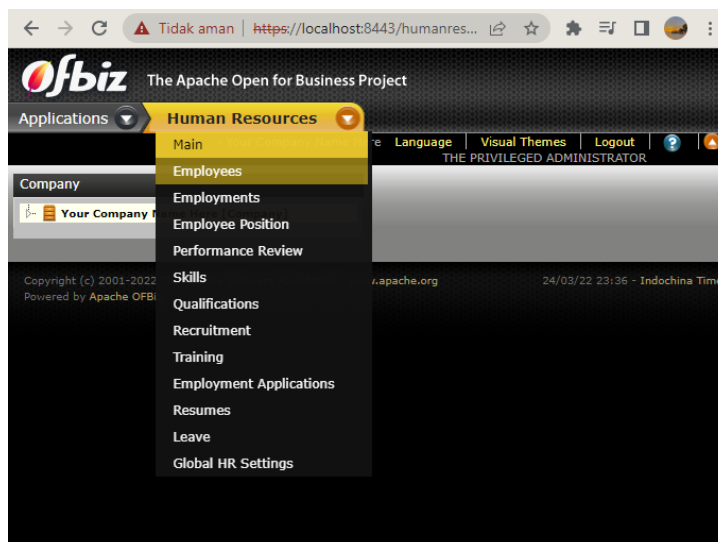


Untuk itu disini saya melakukan demo sendiri dengan melihat referensi dari youtube yaitu tentang ERP System Ofbiz Tutorial Memasukkan Data Pegawai. Untuk langkah-langkahnya seperti berikut.

1. Masuk ke <https://localhost:8443/catalog> Kemudian lakukan login dengan username “admin” dan password “ofbiz”.
2. Setelah itu pada bagian Applications pilih menu HR seperti berikut



3. Kemudian kita pilih Employess



4. Pilih New Employee pada bagian berikut

The screenshot shows the ofbiz web application interface. The top navigation bar includes 'Applications', 'Human Resources', and 'Employees'. Below this, there's a search section titled 'Find an employee' with a 'Lookup Party' button. The 'Contact Information' section has radio buttons for 'None', 'Postal', 'Telecom', and 'Other'. Below these are input fields for 'Party ID', 'User Login', 'Last name', and 'First name'. A 'Show all records' button is also present. The 'Parties Found' section shows 'No parties found.' The footer contains copyright information and the date '24/03/22 23:37'.

5. Kemudian isi bagian-bagian yang ada tanda Required

The screenshot shows the 'New Employee' form in the ofbiz web application. The form is titled 'New Employee' and contains several sections with input fields and labels indicating required fields. The 'Contact Information' section includes fields for 'Title', 'First Name' (filled with 'Isna Budiarti'), 'Middle initial', 'Last Name' (filled with 'Utami'), 'Internal Organization' (dropdown menu set to 'Development department'), and 'Estimated Start Date'. The 'Address' section includes fields for 'Address 1' (filled with 'Giring, Paliyan, Gunungkidul'), 'Address 2', 'City' (filled with 'Gunungkidul'), 'State' (dropdown menu), 'Zip/Postal Code' (filled with '55871'), and 'Country' (dropdown menu set to 'Indonesia - IDN'). The 'Primary Phone Number' section includes fields for 'Country Code' (filled with '62') and 'Area Code' (filled with '857'). Each field has a 'Required' label next to it.

Primary Phone Number

Country Code

Area Code

Phone Number *Required*

ext

E-Mail Address

Email

Copyright (c) 2001-2022 The Apache Software Foundation - www.apache.org 24/03/22 23:37 - Indochina Time
 Powered by Apache OFBiz

6. Setelah itu klik save kemudian akan ditampilkan data pegawai seperti pada gambar di bawah ini.

← → ↻ Tidak aman | <https://localhost:8443/humanres/control/createEmployee>

ofbiz The Apache Open for Business Project

Applications Human Resources **Employees** THE PRIVILEGED ADMINISTRATOR - Your Company Name Here Language Visual Themes Logout ?

The following occurred:
Email Address successfully created.

PROFILE EMPLOYMENTS EMPLOYEE POSITION SKILLS QUALIFICATIONS TRAINING LEAVE PAYROLL HISTORY

The Profile of Isna Budiarti Utami [10000]

Personal Information

Party Id 10000
 Name Isna Budiarti Utami
 Comments
 External Id
 Status ID Enabled

Contact Information

Contact Type	Contact Information	Soliciting OK?
Postal Address	General Correspondence Address Primary Address Giring, Paliyan, Gunungkidul Gunungkidul, 55871 Indonesia (Updated: 2022-03-24 23:48:48.575)	<input type="button" value="UPDATE"/> <input type="button" value="Expire"/>
Phone Number	Primary Phone Number 62 857-1234567654 (Updated: 2022-03-24 23:48:48.793)	<input type="button" value="UPDATE"/> <input type="button" value="Expire"/>
Email Address	Primary Email Address isnabudiarty@gmail.com	<input type="button" value="UPDATE"/> <input type="button" value="Expire"/>

Current Employment information

Company []
 Position []
 Salary

User Name(s)

No UserLogin(s) found for this party.

Party Attribute(s)

No party attributes found.

Party Content

No Content

Attach Content

Tidak ada file yang dipilih

Select Purpose

Is Public
 No

Pastikan Status ID pegawainya Enabled seperti pada gambar di atas.