

Dokumentasi Teknis Capstone Project – Bidang Pendidikan

Nama : Amelia Nagatha

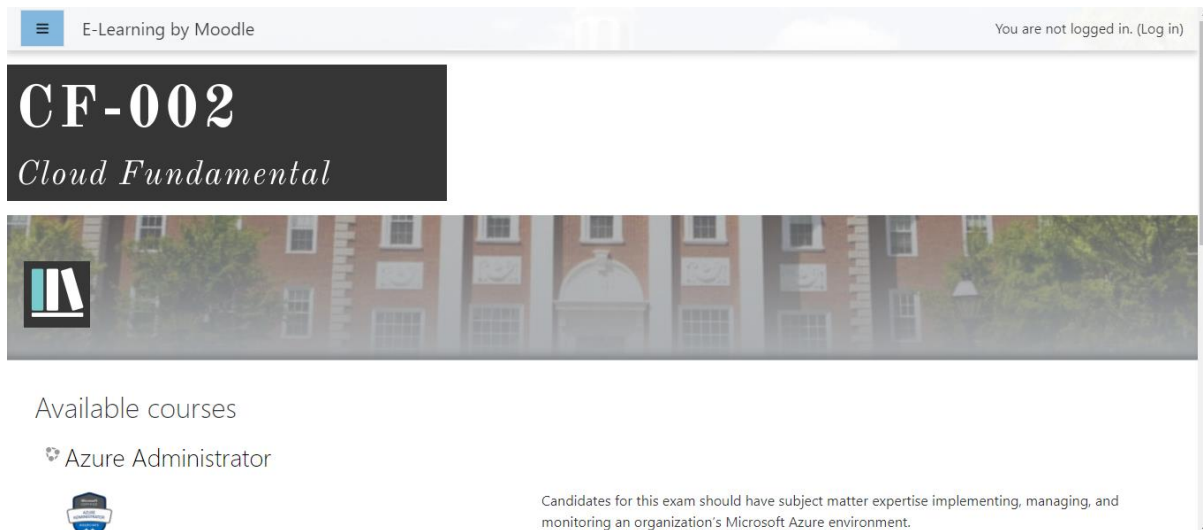
Kelas : CF-002

Domain : amelianagatha.cf-002.space

1. Aplikasi LMS diunggah secara mandiri menggunakan Azure Virtual Machine yang menggunakan sistem operasi Linux Ubuntu Server 20.04 LTS yang menggunakan hub perantara penyedia layanan API yaitu Docker.io
2. Solusi teknis yang disediakan berupa layanan LMS yang dikembangkan dengan berbasis Moodle. Pemilihan Moodle dilakukan karena LMS dari instansi Pendidikan banyak menggunakan platform eLearning yang menggunakan Moodle dari pada API lainnya.
3. Solusi teknis dihosting menggunakan Virtual Machine sebagai pertimbangan dapat dilakukan deploy lebih mudah menggunakan sistem operasi linux pada virtual machine.
4. Alamat web sudah memiliki DNS dengan alamat "***.cf-002.space" dengan menggunakan DNS manager dari Cloudflare, penggunaan CloudFlare bertujuan mengintegrasikan keamanan SSL/TLS serta mitigasi DDoS secara gratis.

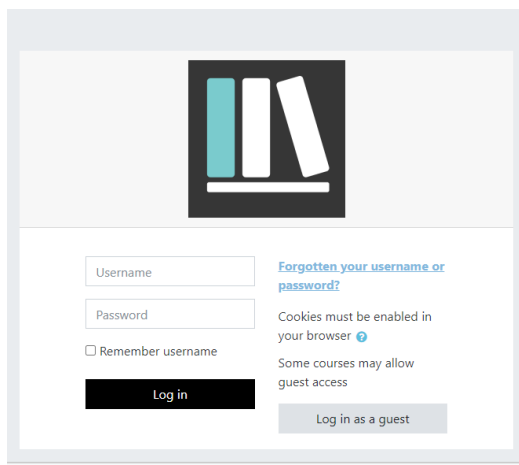
Domain web : **https://amelianagatha.cf-002.space/**

Halaman Awal Moodle



The screenshot shows the Moodle course page for 'CF-002 Cloud Fundamental'. At the top, there is a navigation bar with a menu icon, the text 'E-Learning by Moodle', and a login status 'You are not logged in. (Log in)'. Below the navigation bar, the course title 'CF-002' is displayed in large white letters on a dark background, with 'Cloud Fundamental' written in a smaller, italicized font below it. A banner image of a red brick building is visible. Under the banner, the text 'Available courses' is followed by a heart icon and the course name 'Azure Administrator'. Below this, there is a small icon of a person and a description: 'Candidates for this exam should have subject matter expertise implementing, managing, and monitoring an organization's Microsoft Azure environment.'

Lakukan login sebagai admin menggunakan

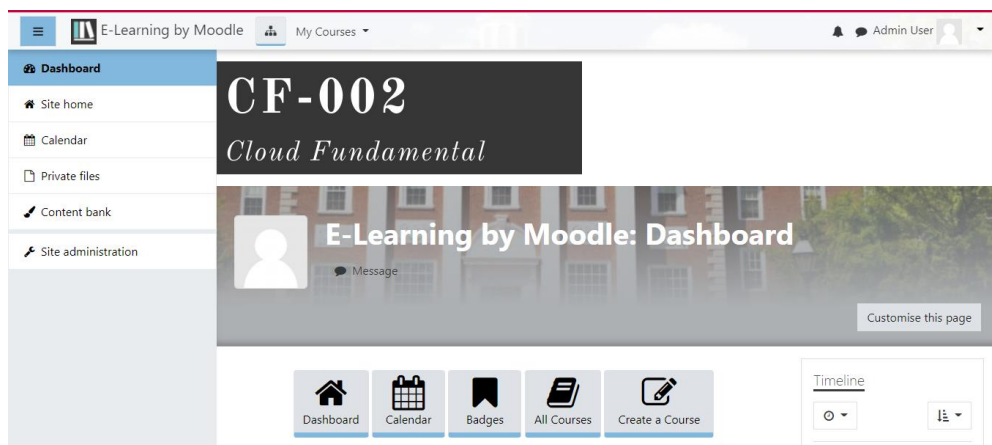


The screenshot shows the Moodle login page. At the top, there is a Moodle logo. Below the logo, there is a login form with the following elements: a 'Username' input field, a 'Password' input field, a 'Remember username' checkbox, a 'Log in' button, a link for 'Forgotten your username or password?', a note that 'Cookies must be enabled in your browser', and a note that 'Some courses may allow guest access'. There is also a 'Log in as a guest' button.

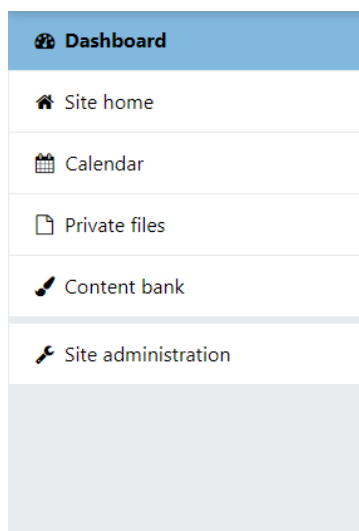
Username : user

Password : bitnami

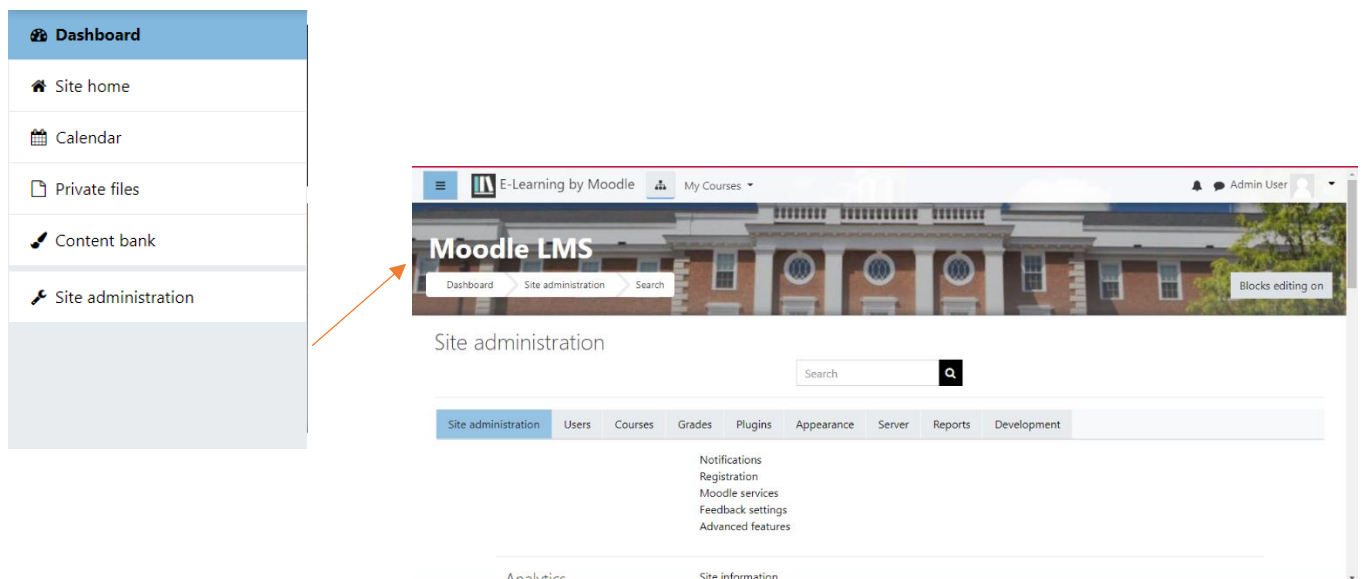
Kemudian halaman akan berubah menjadi tampilan admin



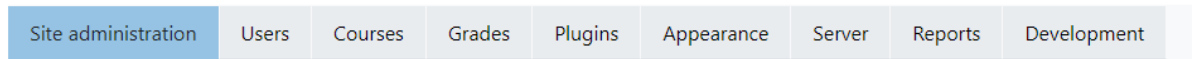
Tampilan halaman dashboard pada role admin



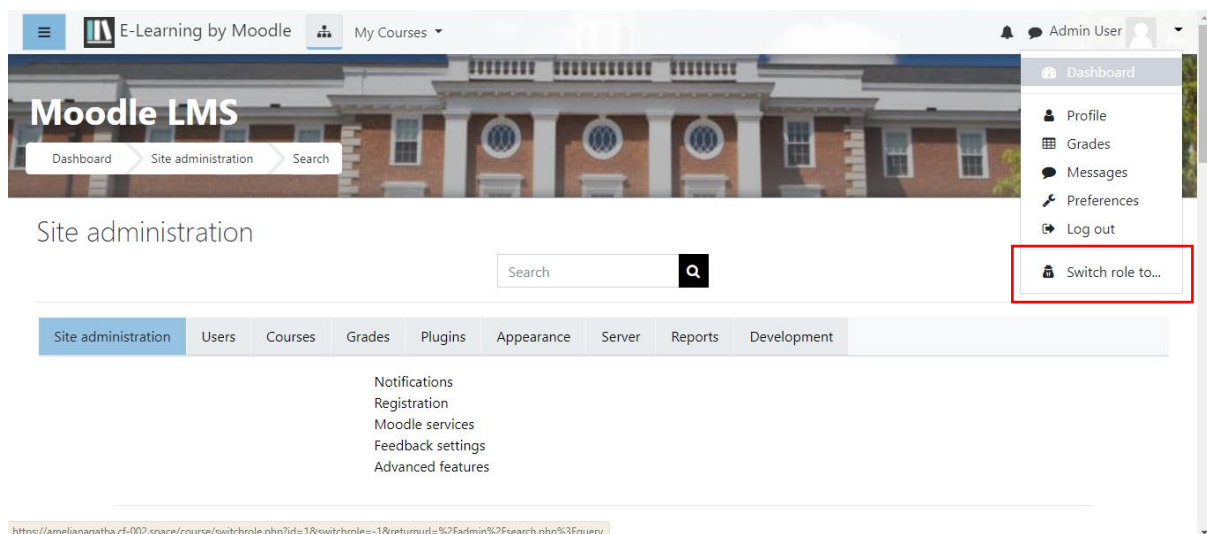
Pengaturan halaman web dapat dilakukan perubahan pada menu site administration



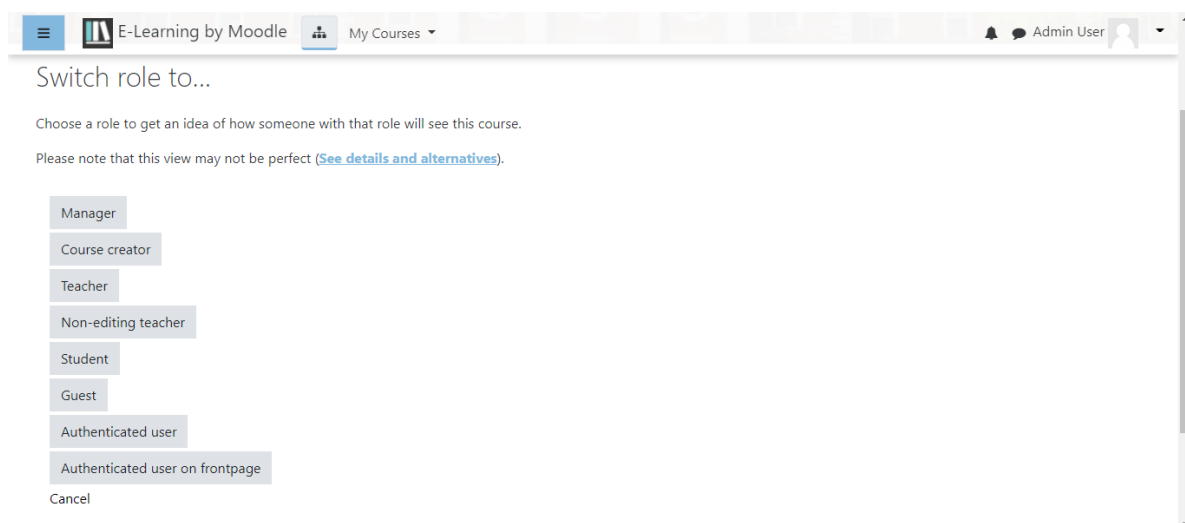
Dapat dilakukan konfigurasi Moodle pada menu site administration. Pada menu tersebut dapat dilakukan beberapa konfigurasi seperti Users, Courses, Grades, Plugins, Appearance, Server, Reports, dan Development.



Pada halaman admin juga dapat dilakukan switch role dari admin menjadi beberapa role yang dapat ditambahkan sebagai user. Perubahan role dapat dilakukan pada menu di pojok kanan atas bagian admin lalu memilih menu switch role.



Terdapat beberapa pilihan role yang dapat dipilih sebagai user dan masing-masing menawarkan akses sesuai dengan role yang dipilih.



Pada sisi kanan dashboard terdapat row untuk menampilkan timeline, private files, online users, latest badges, calendar dan upcoming events.

Timeline

No upcoming activities due

Private files

No files available

Manage private files...

Online users

1 online user (last 5 minutes)

Admin User

Latest badges

You have no badges to display

Calendar

November 2021

Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Halaman profil users

E-Learning by Moodle

My Courses

Admin User

Admin User

Messages

Dashboard

Profile

Reset page to default

Customise this page

User details

Email address

user@example.com (Visible to everyone)

Privacy and policies

Data retention summary

Edit profile

Reports

Today's logs

All logs

Outline report

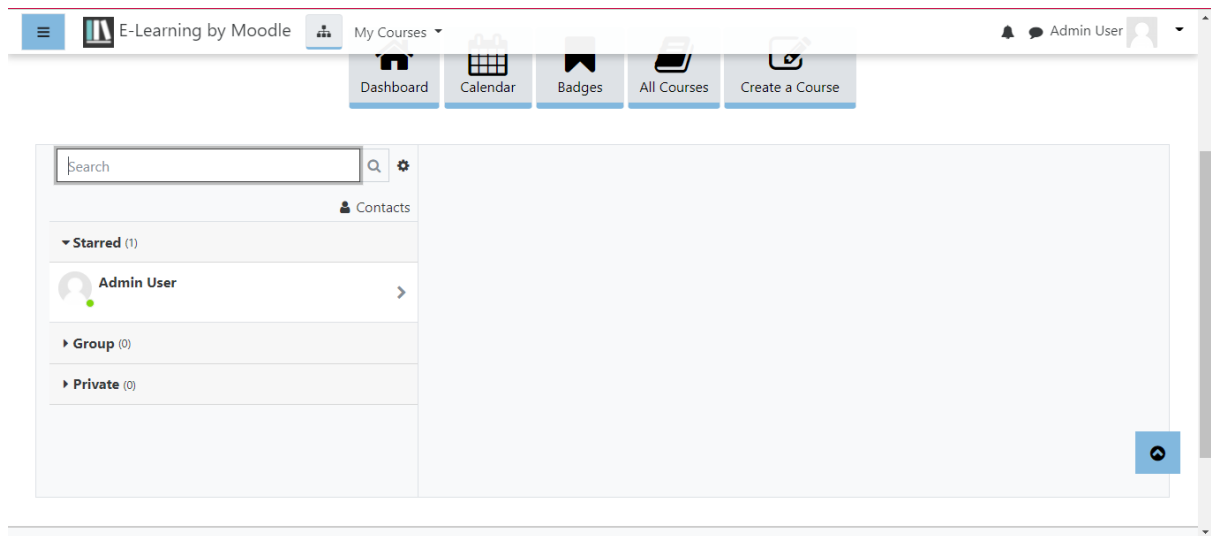
Complete report

Browser sessions

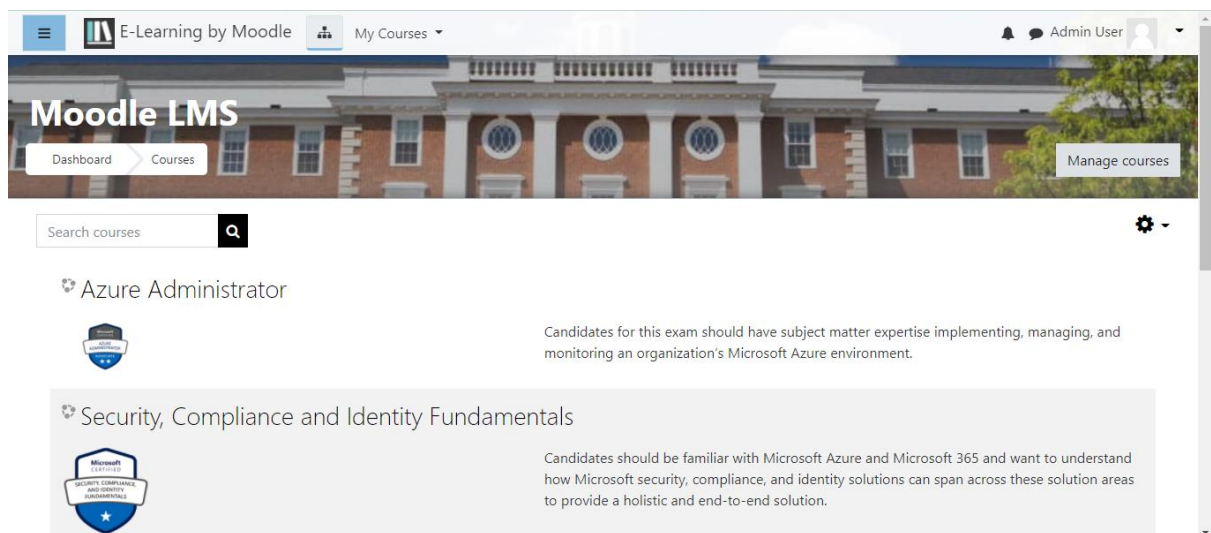
Grades overview

Grades

Halaman Messages



Halaman List Courses



Halaman add new courses

≡

E-Learning by Moodle

My Courses ▾

Admin User ▾

Moodle LMS

Dashboard > Site administration > Courses > Manage courses and categories > Add a new course

Add a new course

Cancel

General

Course full name

?

Course short name

?

Course category

?

× Miscellaneous

Search ▾

Course visibility

?

Show ▾

Course start date

?

27 ▾

November ▾

2021 ▾

00 ▾

00 ▾

📅

Course end date

?

27 ▾

November ▾

2022 ▾

00 ▾

00 ▾

📅

✓ Enable

Course ID number

?

➡

Description

Course summary

?

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😊 🖼️ 📄 🎤 🎥 📁 📄

Course image

?

Maximum file size: Unlimited, maximum number of files: 1

📁

Files

⬇️

You can drag and drop files here to add them.

Accepted file types:
Image (GIF) .gif
Image (JPEG) .jpg
Image (PNG) .png

Save and return

Save and display

Cancel

➡

There are required fields in this form marked .

Halaman Preferences

E-Learning by Moodle

My Courses

Admin User

Admin User

Message

Dashboard

Preferences

Preferences

User account

Edit profile

Change password

Preferred language

Forum preferences

Editor preferences

Calendar preferences

Content bank preferences

Message preferences

Roles

This user's role assignments

Permissions

Check permissions

Blogs

Blog preferences

External blogs

Register an external blog