

DOKUMENTASI KEGIATAN 2025/10/27/A3

Kegiatan Aktualisasi: Membuat kode back-end Course (mata diklat)

The image shows two screenshots of a VS Code editor interface. The top screenshot displays the `Course.php` file in the `app/Models` directory. The code defines a `Course` class extending `Model` from `CodeIgniter`. It includes attributes like `$table`, `$primaryKey`, `$useAutoIncrement`, `$returnType`, `$useSoftDeletes`, `$protectFields`, and `$allowedFields`. The `$allowedFields` array includes 'name', 'code', 'teacher_id', and 'description'. The bottom screenshot shows the `2025-10-29-021326_CreateCourseTable.php` file in the `Database/Migrations` directory. It defines a `CreateCourseTable` class extending `Migration` and includes a `up()` method with database schema definitions for 'id', 'code', 'name', 'teacher_id', and 'disabled_at'.

```
1 <?php
2
3 namespace App\Models;
4
5 use CodeIgniter\Model;
6
7 class Course extends Model
8 {
9     protected $table            = 'courses';
10    protected $primaryKey        = 'id';
11    protected $useAutoIncrement = true;
12    protected $returnType        = 'array';
13    protected $useSoftDeletes    = false;
14    protected $protectFields     = true;
15    protected $allowedFields     = [
16        'name',
17        'code',
18        'teacher_id',
19        'description',
20    ];
21
22    protected bool $allowEmptyInserts = false;
23    protected bool $updateOnlyChanged = true;
24
25    protected array $casts = [];
26    protected array $castHandlers = [];
27 }
```

```
7 class CreateCourseTable extends Migration
8 {
9     public function up()
10     {
11         $this->forge->addField([
12             'id' => [
13                 'type' => 'INT',
14                 'constraint' => 11,
15                 'unsigned' => true,
16                 'auto_increment' => true,
17             ],
18             'code' => [
19                 'type' => 'VARCHAR',
20                 'constraint' => 64,
21                 'null' => false,
22             ],
23             'name' => [
24                 'type' => 'VARCHAR',
25                 'constraint' => 255,
26                 'null' => false,
27             ],
28             'teacher_id' => [
29                 'type' => 'INT',
30                 'constraint' => 11,
31                 'null' => true,
32             ],
33             'disabled_at' => [
34                 'type' => 'DATETIME',
35                 'null' => true,
36             ],
37         ];
```