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Kelas : S1SE – 07 – 01

```json
{
    "openapi": "3.0.0",
    "info": {
     "title": "Jurnal Modul 9",
     "description": "API untuk Jurnal Modul 9",
     "version": "1.0.0"
    },
    "servers": [
     {
       "url": "http://localhost:8080",
       "description": "Movies Restful API Server"
     }
    ],
    "paths": {
     "/api/Movies": {
       "get": {
        "summary": "Get all movies",
        "description": "Mengambil semua data Movies",
        "parameters": [
         {
           "name": "sort",
           "in": "query",
           "description": "Urutkan berdasarkan field (contoh: Title, Director)",
           "required": false,
           "schema": {
             "type": "string"
           }
         },
         {
           "name": "filter",
           "in": "query",
           "description": "Filter berdasarkan kata kunci",
           "required": false,
           "schema": {
             "type": "string"
           }
         },
         {
           "name": "page",
           "in": "query",
           "description": "Nomor halaman",
           "required": false,
```

```
        "schema": {
         "type": "integer",
         "default": 1
        }
       },
       {
        "name": "limit",
        "in": "query",
        "description": "Jumlah data per halaman",
        "required": false,
        "schema": {
         "type": "integer",
         "default": 10
        }
       }
      ],
      "responses": {
       "200": {
        "description": "Sukses mengambil semua Movies",
        "content": {
         "application/json": {
          "schema": {
           "type": "array",
           "items": {
            "$ref": "#/components/schemas/Movie"
           },
           "example": [
            {
             "Title": "Inception",
             "Director": "Christopher Nolan",
             "Stars": [
              "Leonardo DiCaprio",
              "Joseph Gordon-Levitt",
              "Ellen Page"
             ],
             "Description": "A thief who steals corporate secrets through use of dream-sharing
technology."
            },
            {
             "Title": "Interstellar",
             "Director": "Christopher Nolan",
             "Stars": [
              "Matthew McConaughey",
              "Anne Hathaway",
              "Jessica Chastain"
             ],
             "Description": "A team of explorers travel through a wormhole in space in an attempt to
ensure humanity's survival."
```

```json
          },
          {
            "Title": "The Dark Knight",
            "Director": "Christopher Nolan",
            "Stars": [
              "Christian Bale",
              "Heath Ledger",
              "Aaron Eckhart"
            ],
            "Description": "Batman raises the stakes in his war on crime."
          }
        ]
      }
    }
  }
},
"post": {
  "summary": "Add a new movie",
  "description": "Menambahkan Movie baru ke dalam list",
  "requestBody": {
    "required": true,
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/Movie"
        },
        "example": {
          "Title": "Tenet",
          "Director": "Christopher Nolan",
          "Stars": [
            "John David Washington",
            "Robert Pattinson",
            "Elizabeth Debicki"
          ],
          "Description": "Armed with only one word, Tenet, and fighting for the survival of the entire world."
        }
      }
    }
  },
  "responses": {
    "201": {
      "description": "Movie berhasil ditambahkan"
    }
  }
}
```

```json
    },
    "/api/Movies/{id}": {
     "get": {
      "summary": "Get movie by ID",
      "description": "Mengambil Movie berdasarkan ID",
      "parameters": [
       {
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
         "type": "integer"
        },
        "description": "ID dari Movie yang ingin diambil"
       }
      ],
      "responses": {
       "200": {
        "description": "Sukses mengambil Movie",
        "content": {
         "application/json": {
          "schema": {
           "$ref": "#/components/schemas/Movie"
          },
          "example": {
           "Title": "Inception",
           "Director": "Christopher Nolan",
           "Stars": [
            "Leonardo DiCaprio",
            "Joseph Gordon-Levitt",
            "Ellen Page"
           ],
           "Description": "A thief who steals corporate secrets through use of dream-sharing technology."
          }
         }
        }
       },
       "404": {
        "description": "Movie tidak ditemukan"
       }
      }
     },
     "delete": {
      "summary": "Delete movie by ID",
      "description": "Menghapus Movie berdasarkan ID",
      "parameters": [
       {
```

```json
        "name": "id",
        "in": "path",
        "required": true,
        "schema": {
          "type": "integer"
        },
        "description": "ID dari Movie yang ingin dihapus"
      }
    ],
    "responses": {
      "200": {
        "description": "Sukses menghapus Movie"
      },
      "404": {
        "description": "Movie tidak ditemukan"
      }
    }
  }
}
},
"components": {
 "schemas": {
  "Movie": {
    "type": "object",
    "properties": {
      "Title": {
        "type": "string"
      },
      "Director": {
        "type": "string"
      },
      "Stars": {
        "type": "array",
        "items": {
          "type": "string"
        }
      },
      "Description": {
        "type": "string"
      }
    },
    "required": ["Title", "Director", "Stars", "Description"]
  }
 }
}
}
```

Spesifikasi ini adalah dokumentasi OpenAPI 3.0 untuk sebuah RESTful API yang digunakan untuk mengelola data film, yang memungkinkan pengguna untuk mengambil semua data film, menambahkan film baru, mengambil film berdasarkan ID, dan menghapus film berdasarkan ID, dengan struktur data film yang terdiri dari judul, sutradara, daftar pemeran, dan deskripsi.