

Modul Praktikum Cimande 2

1. Tujuan

- * Mengimplemantasikan ORM dengan relationship pada Cimande

2. Percobaan

Menambahkan Modul Category Item

1. Membuat menu Category dengan:
 1. Descriptor
 1. Name : category_item
 2. Descriptor description: Category Item
 2. Module function
 1. Name: Category
 2. Description: Category
 3. Master Thread Id: training_item
 4. Module Descriptor: category_item
2. Membuat module Category dengan mengubah kode pada module item
3. Menambahkan kode pada module Item
 1. Item.java

```
...  
  
private CategoryItem category;  
  
...  
  
@ManyToOne  
  
public CategoryItem getCategory() {  
  
    return category;  
  
}
```

Modul Praktikum Cimande 2

```
}  
  
public void setCategory(CategoryItem category) {  
    this.category = category;  
}  
  
...
```

2. ItemForm.java

```
...  
  
private CategoryItem category = new CategoryItem();  
  
private List<CategoryItem> categories = new ArrayList<CategoryItem>();  
  
...  
  
public String execute(){  
    ...  
    setCategories(manager.findAllSorted(CategoryItem.class, "name"));  
    ...  
}  
  
...  
  
public CategoryItem getCategory() {  
    return category;  
}  
  
  
public void setCategory(CategoryItem category) {  
    this.category = category;  
}
```

Modul Praktikum Cimande 2

```
}

    public List<CategoryItem> getCategories() {
        return categories;
    }

    public void setCategories(List<CategoryItem> categories) {
        this.categories = categories;
    }
}
```

3. form.vm

```
...
<tr bgcolor="#ffffff">
    <td>
        Kategori:
    </td>
    <td>
        <select name="category.id">
            #foreach($c in $categories)
                <option value="$!c.id" #if($c.id == $!item.category.id)
selected #end>
                    $!c.name
                </option>
            #end
        </select>
    </td>
</tr>
```

Modul Praktikum Cimande 2

```
</select>

</td>

</tr>

...
```

4. filter.vm

```
...

<tr bgcolor="#ffffff">

  <td>

    Kategori:

  </td>

  <td>

    <select name="category.id">

      <option value="">Semua Kategori</option>

      #foreach($c in $categories)

        <option value="$!c.id">$!c.name</option>

      #end

    </select>

  </td>

</tr>

...
```

Modul Praktikum Cimande 2

5. SaveItem.java

```
...

if(hasErrors()){

    setCategories(manager.findAllSorted(CategoryItem.class, "name"));

    return INPUT;

}

if(getCategory().getId() != null &&
!"".equalsIgnoreCase(getCategory().getId())){

    setCategory((CategoryItem) manager.getById(CategoryItem.class,
        getCategory().getId()));

} else {

    setCategory(null);

}

...

getItem().setCategory(getCategory());

getItem().setLogInformation(log);

manager.save(getItem());

...
```

6. SearchItem.java

```
if(getCategory().getId() != null &&

    !"".equalsIgnoreCase(getCategory().getId())){

    crit.add(Expression.like("category", getCategory()));

}
```



> > > Java Education Network Indonesia

Modul Praktikum Cimande 2