My Project

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Contents

1 EngisFarm **1**

2 Hierarchical Index **3**

2.1 Class Hierarchy 3

3 Class Index **5**

3.1 Class List 5

4 Class Documentation **7**

4.1 ayam Class Reference 7

4.2 babi Class Reference 9

4.2.1 Detailed Description 10

4.3 BBQ Class Reference 10

4.3.1 Detailed Description 11

4.4 bebek Class Reference 11

4.4.1 Detailed Description 13

4.5 Cell Class Reference 13

4.6 ChickenEgg Class Reference 14

4.6.1 Detailed Description 15

4.7 ChickenMeat Class Reference 15

4.7.1 Detailed Description 16

4.8 CowMeat Class Reference 17

4.8.1 Detailed Description 18

4.9 CowMilk Class Reference 18

4.9.1 Detailed Description 19

4.10 domba Class Reference . . . 19
4.10.1 Detailed Description . . . 21
4.11 DuckEgg Class Reference . . . 21
4.11.1 Detailed Description . . . 22
4.12 DuckMeat Class Reference . . . 22
4.12.1 Detailed Description . . . 23
4.13 Eggproducing Class Reference . . . 24
4.13.1 Detailed Description . . . 25
4.14 Facility Class Reference . . . 25
4.15 FarmAnimal Class Reference . . . 26
4.16 FarmProduct Class Reference . . . 27
4.16.1 Detailed Description . . . 28
4.17 GoatMeat Class Reference . . . 28
4.17.1 Detailed Description . . . 29
4.18 GoatMilk Class Reference . . . 30
4.18.1 Detailed Description . . . 31
4.19 kambing Class Reference . . . 31
4.19.1 Detailed Description . . . 32
4.20 Land Class Reference . . . 33
4.21 LinkedList< Type > Class Template Reference . . . 34
4.22 LivingThings Class Reference . . . 34
4.23 Meatproducing Class Reference . . . 35
4.23.1 Detailed Description . . . 36
4.24 Milkproducing Class Reference . . . 36
4.24.1 Detailed Description . . . 37
4.25 node< Type > Struct Template Reference . . . 38
4.26 Omelette Class Reference . . . 38
4.26.1 Detailed Description . . . 39
4.27 Player Class Reference . . . 39
4.28 Pork Class Reference . . . 40

4.28.1 Detailed Description . . . 41
4.29 Product Class Reference . . . 41
4.29.1 Detailed Description . . . 43
4.29.2 Member Function Documentation . . . 43
4.29.2.1 getExpireValue() . . . 43
4.29.2.2 getProductValue() . . . 43
4.30 Renderable Class Reference . . . 43
4.31 sapi Class Reference . . . 44
4.31.1 Detailed Description . . . 45
4.32 Sausage Class Reference . . . 45
4.32.1 Detailed Description . . . 46
4.33 SideProduct Class Reference . . . 46
4.33.1 Detailed Description . . . 47
4.33.2 Member Function Documentation . . . 48
4.33.2.1 getPortion() . . . 48

Index **49**

Chapter 1

EngisFarm

Tubes OOP

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

cell
- Land . . . 33

Cell . . . 13
- Facility . . . 25

LinkedList< Type > . . . 34

livingThings
- Player . . . 39

LivingThings . . . 34
- FarmAnimal . . . 26
  - Eggproducing . . . 24
    - ayam . . . 7
    - bebek . . . 11
  - Meatproducing . . . 35
    - ayam . . . 7
    - babi . . . 9
    - bebek . . . 11
    - domba . . . 19
    - kambing . . . 31
    - sapi . . . 44
  - Milkproducing . . . 36
    - kambing . . . 31
    - sapi . . . 44

node< Type > . . . 38

Product . . . 41
- FarmProduct . . . 27
  - ChickenEgg . . . 14
  - ChickenMeat . . . 15
  - CowMeat . . . 17
  - CowMilk . . . 18
  - DuckEgg . . . 21
  - DuckMeat . . . 22
  - GoatMeat . . . 28
  - GoatMeat . . . 28
  - GoatMilk . . . 30

Pork 40
SideProduct 46
BBQ 10
Omelette 38
Sausage 45
Renderable 43

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

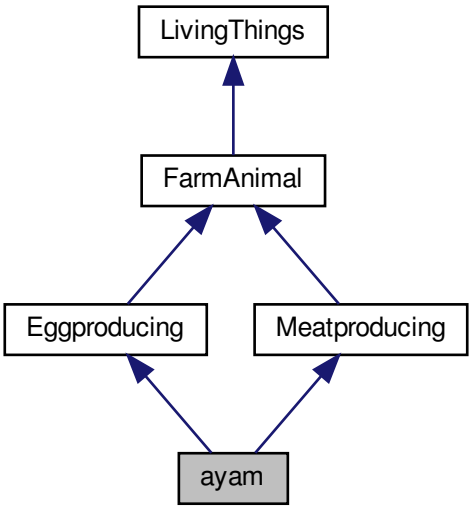
ayam . . . 7
babi . . . 9
BBQ . . . 10
bebek . . . 11
Cell . . . 13
ChickenEgg . . . 14
ChickenMeat . . . 15
CowMeat . . . 17
CowMilk . . . 18
domba . . . 19
DuckEgg . . . 21
DuckMeat . . . 22
Eggproducing . . . 24
Facility . . . 25
FarmAnimal . . . 26
FarmProduct . . . 27
GoatMeat . . . 28
GoatMilk . . . 30
kambing . . . 31
Land . . . 33
LinkedList< Type > . . . 34
LivingThings . . . 34
Meatproducing . . . 35
Milkproducing . . . 36
node< Type > . . . 38
Omelette . . . 38
Player . . . 39
Pork . . . 40
Product . . . 41
Renderable . . . 43
sapi . . . 44
Sausage . . . 45
SideProduct . . . 46

Chapter 4

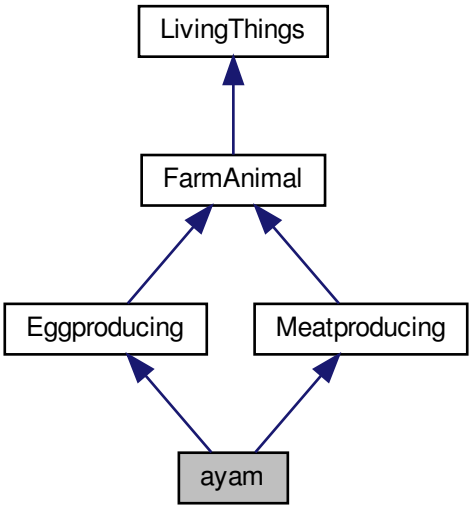
Class Documentation

4.1 ayam Class Reference

Inheritance diagram for ayam:



Collaboration diagram for ayam:



Public Member Functions

- **ayam** (int posX, int posY)
- ~ayam ()

  constructor
- void move ()

  destructor
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountTelurA** () const
- int getFull ()

  menghitung jumlah telur yang dihasilkan
- void setFull (int Full)

  getter

Additional Inherited Members

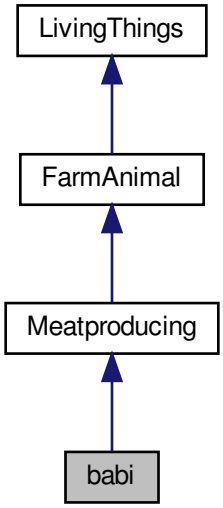
The documentation for this class was generated from the following file:

- ayam.h

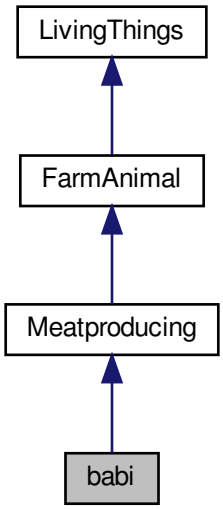
4.2 babi Class Reference

`#include <babi.h>`

Inheritance diagram for babi:



Collaboration diagram for babi:



Public Member Functions

- **babi** (int posX, int posY)
- void **move** ()
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountPork** () const
- int **getFull** ()
- void **setFull** (int Full)

Additional Inherited Members

4.2.1 Detailed Description

babi class. Class babi ,turunan meat producing

Author

13517090

Since

2019.03.17

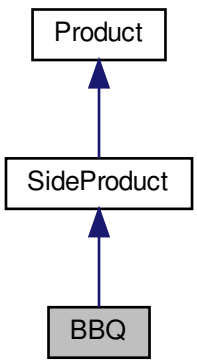
The documentation for this class was generated from the following file:

- babi.h

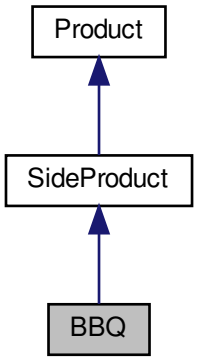
4.3 BBQ Class Reference

`#include <BBQ.h>`

Inheritance diagram for BBQ:



Collaboration diagram for BBQ:



Additional Inherited Members

4.3.1 Detailed Description

BBQ class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

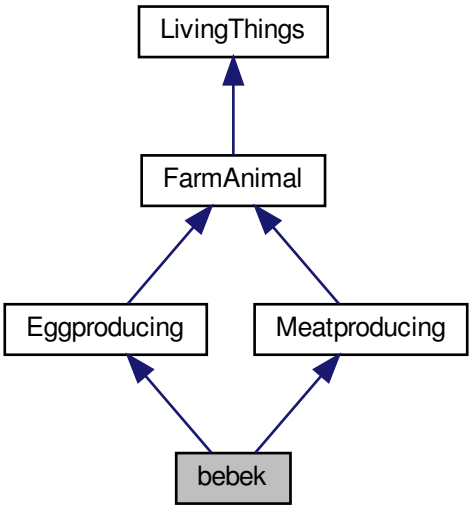
The documentation for this class was generated from the following file:

- BBQ.h

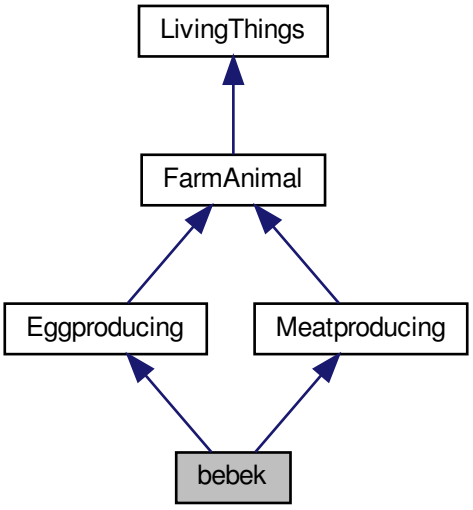
4.4 bebek Class Reference

```
#include <bebek.h>
```

Inheritance diagram for bebek:



Collaboration diagram for bebek:



Public Member Functions

- **bebek** (int posX, int posY)

- void **move** (int posX, int posY)
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountTelurB** () const
- int **getFull** ()
- void **setFull** (int Full)

Additional Inherited Members

4.4.1 Detailed Description

bebek class. Class bebek ,turunan meat producing

Author

13517090

Since

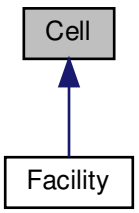
2019.03.17

The documentation for this class was generated from the following file:

- bebek.h

4.5 Cell Class Reference

Inheritance diagram for Cell:



Public Member Functions

- void **setSizex** (int _x)
- void **setSizey** (int _y)
- int **getSizex** ()
- int **getSizey** ()
- int **getElement** (int x, int y)
- string **getProperties** (int value)
- bool **isEmptyCell** (int x, int y)

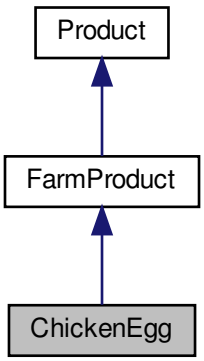
The documentation for this class was generated from the following file:

- Cell.h

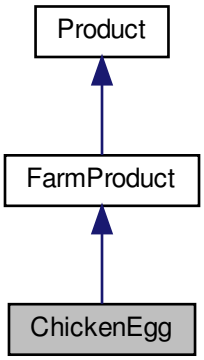
4.6 ChickenEgg Class Reference

```
#include <ChickenEgg.h>
```

Inheritance diagram for ChickenEgg:



Collaboration diagram for ChickenEgg:



Additional Inherited Members

4.6.1 Detailed Description

ChickenEgg class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

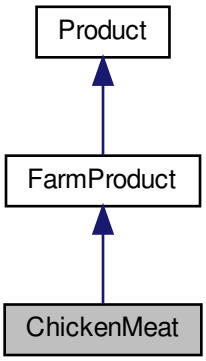
The documentation for this class was generated from the following file:

- ChickenEgg.h

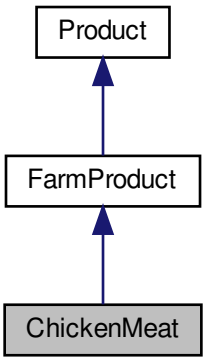
4.7 ChickenMeat Class Reference

```
#include <ChickenMeat.h>
```

Inheritance diagram for ChickenMeat:



Collaboration diagram for ChickenMeat:



Additional Inherited Members

4.7.1 Detailed Description

ChickenMeat class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

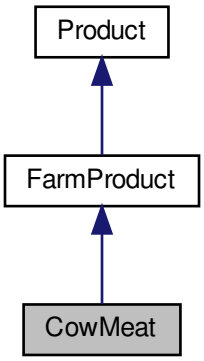
The documentation for this class was generated from the following file:

- ChickenMeat.h

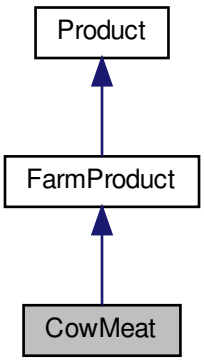
4.8 CowMeat Class Reference

`#include <CowMeat.h>`

Inheritance diagram for CowMeat:



Collaboration diagram for CowMeat:



Additional Inherited Members

4.8.1 Detailed Description

CowMeat class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

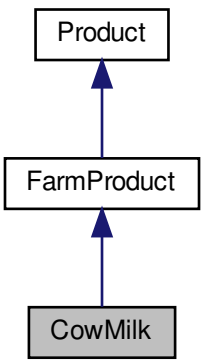
The documentation for this class was generated from the following file:

- CowMeat.h

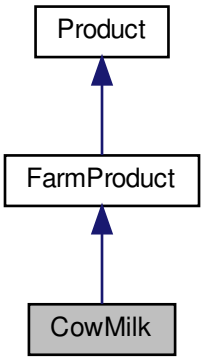
4.9 CowMilk Class Reference

`#include <CowMilk.h>`

Inheritance diagram for CowMilk:



Collaboration diagram for CowMilk:



Additional Inherited Members

4.9.1 Detailed Description

CowMilk class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

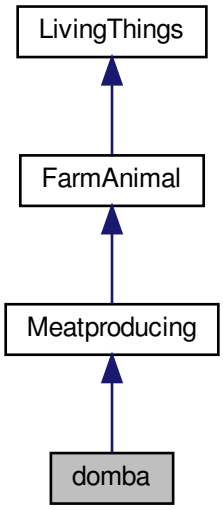
The documentation for this class was generated from the following file:

- CowMilk.h

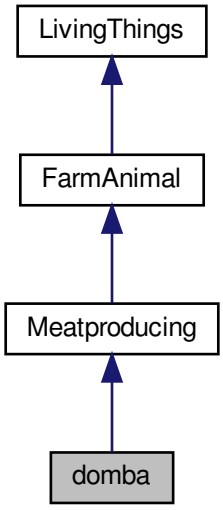
4.10 domba Class Reference

```
#include <domba.h>
```

Inheritance diagram for domba:



Collaboration diagram for domba:



Public Member Functions

- **domba** (int posX, int posY)

- void **move** ()
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountlambMeat** () const
- int **getFull** ()
- void **setFull** (int Full)

Additional Inherited Members

4.10.1 Detailed Description

domba class. Class domba ,turunan meat producing

Author

13517090

Since

2019.03.17

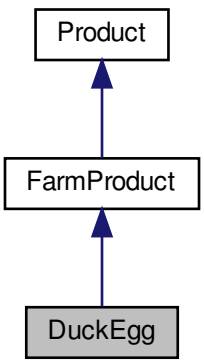
The documentation for this class was generated from the following file:

- domba.h

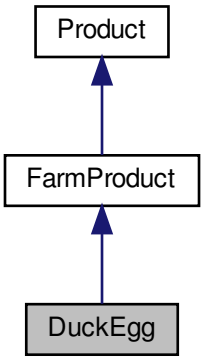
4.11 DuckEgg Class Reference

`#include <DuckEgg.h>`

Inheritance diagram for DuckEgg:



Collaboration diagram for DuckEgg:



Additional Inherited Members

4.11.1 Detailed Description

DuckEgg class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

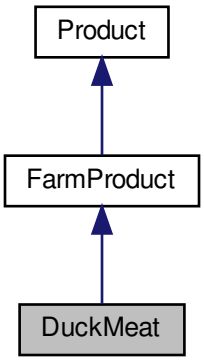
The documentation for this class was generated from the following file:

- DuckEgg.h

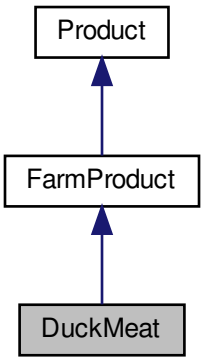
4.12 DuckMeat Class Reference

```
#include <DuckMeat.h>
```

Inheritance diagram for DuckMeat:



Collaboration diagram for DuckMeat:



Additional Inherited Members

4.12.1 Detailed Description

DuckMeat class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

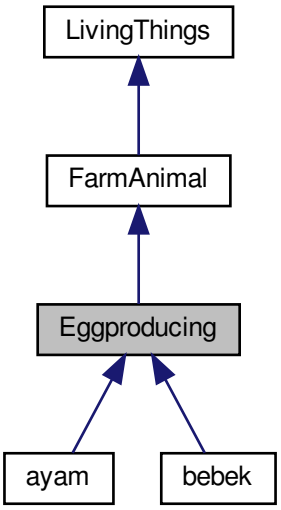
The documentation for this class was generated from the following file:

- DuckMeat.h

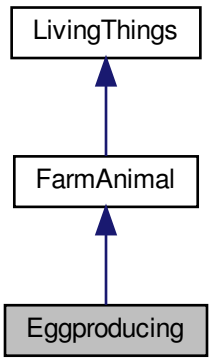
4.13 Eggproducing Class Reference

`#include <Eggproducing.h>`

Inheritance diagram for Eggproducing:



Collaboration diagram for Eggproducing:



Public Member Functions

- **Eggproducing** (int x, int y)

Static Public Member Functions

- static int **getjlhEggP** ()

Additional Inherited Members

4.13.1 Detailed Description

Eggproducing class Class hewan penghasil telur ,kelas turunan dari farm animal

Author

13517090

Since

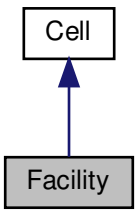
2019.03.17

The documentation for this class was generated from the following file:

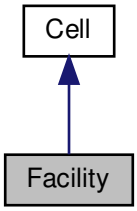
- Eggproducing.h

4.14 Facility Class Reference

Inheritance diagram for Facility:



Collaboration diagram for Facility:



Public Member Functions

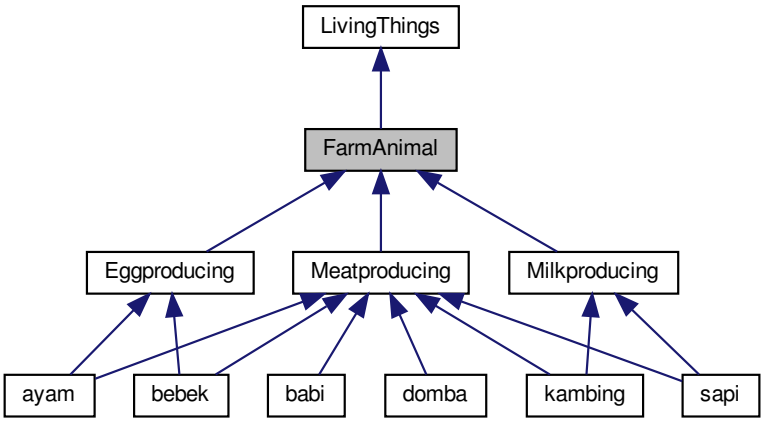
- int **getWellx** ()
- int **getWelly** ()
- int **getMixerx** ()
- int **getMixery** ()
- int **getTruckx** ()
- int **getTrucky** ()

The documentation for this class was generated from the following file:

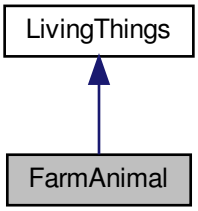
- Facility.h

4.15 FarmAnimal Class Reference

Inheritance diagram for FarmAnimal:



Collaboration diagram for FarmAnimal:



Public Member Functions

- **FarmAnimal** (int x, int y)
- virtual void **eat** ()=0
- virtual void **Print** ()=0
- virtual void **setFull** (int Full)=0

Static Public Member Functions

- static int **getcountAnimal** ()

Protected Attributes

- int **Full**

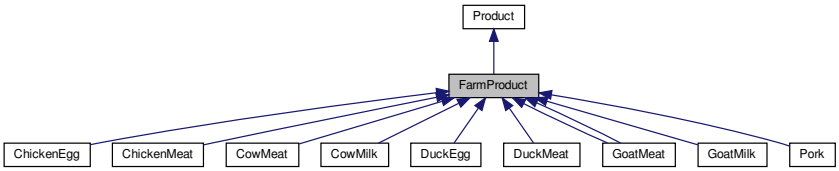
The documentation for this class was generated from the following file:

- FarmAnimal.h

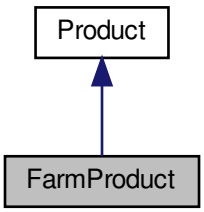
4.16 FarmProduct Class Reference

`#include <FarmProduct.h>`

Inheritance diagram for FarmProduct:



Collaboration diagram for FarmProduct:



Additional Inherited Members

4.16.1 Detailed Description

FarmProduct class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

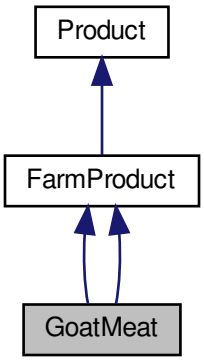
The documentation for this class was generated from the following file:

- FarmProduct.h

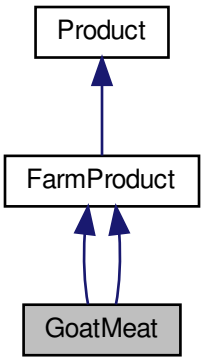
4.17 GoatMeat Class Reference

```
#include <GoatMeat.h>
```

Inheritance diagram for GoatMeat:



Collaboration diagram for GoatMeat:



Additional Inherited Members

4.17.1 Detailed Description

GoatMeat class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

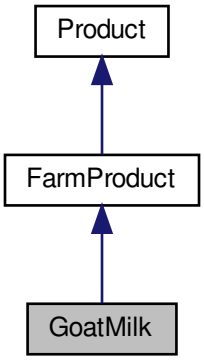
The documentation for this class was generated from the following files:

- GoatMeat.h
- LambMeat.h

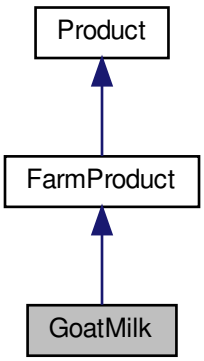
4.18 GoatMilk Class Reference

`#include <GoatMilk.h>`

Inheritance diagram for GoatMilk:



Collaboration diagram for GoatMilk:



Additional Inherited Members

4.18.1 Detailed Description

GoatMilk class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

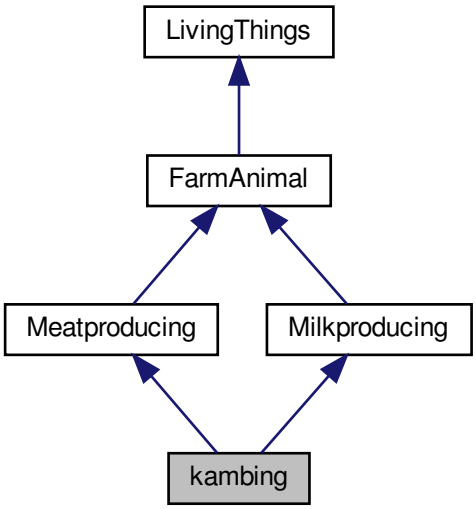
The documentation for this class was generated from the following file:

- GoatMilk.h

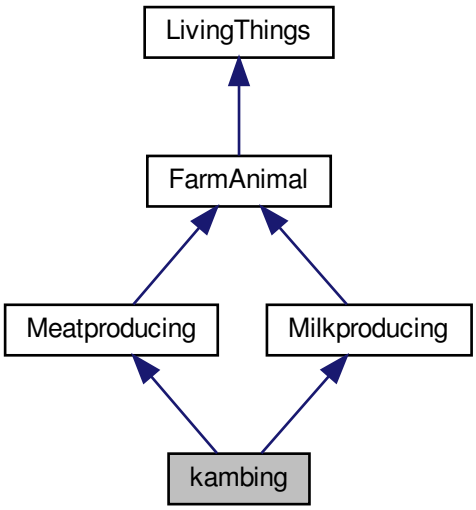
4.19 kambing Class Reference

`#include <kambing.h>`

Inheritance diagram for kambing:



Collaboration diagram for kambing:



Public Member Functions

- **kambing** (int posX, int posY)
- void **move** ()
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountcowMilk** () const
- int **getFull** ()
- void **setFull** (int Full)

Additional Inherited Members

4.19.1 Detailed Description

kambing class. Classkambing ,turunan meat producing

Author

13517090

Since

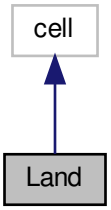
2019.03.17

The documentation for this class was generated from the following file:

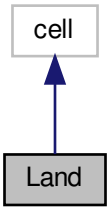
- kambing.h

4.20 Land Class Reference

Inheritance diagram for Land:



Collaboration diagram for Land:



Public Member Functions

- char **getElement** (int x, int y)
- string **getProperties** (char value)
- void **setElement** (int x, int y, char e)

The documentation for this class was generated from the following file:

- Land.h

4.21 LinkedList< Type > Class Template Reference

Public Member Functions

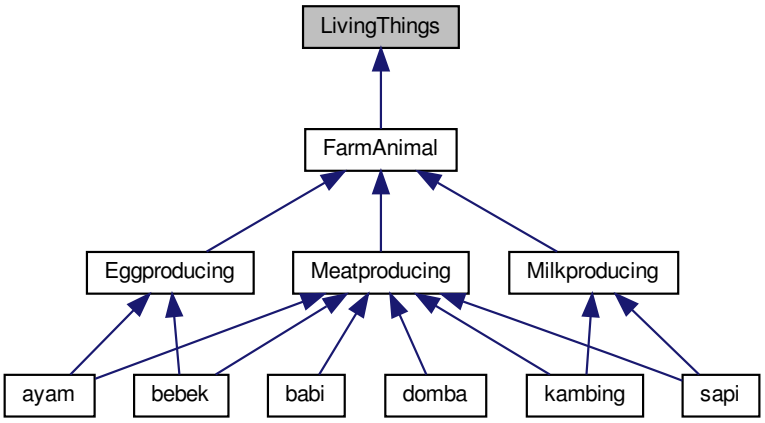
- int **find** (Type element)
- bool **isEmpty** ()
- void **add** (Type element)
- void **remove** (Type element)
- Type **get** (int indeks)
- int **getSize** ()
- void **print** ()

The documentation for this class was generated from the following files:

- LinkedList.h
- LinkedList.cpp

4.22 LivingThings Class Reference

Inheritance diagram for LivingThings:



Public Member Functions

- virtual void **move** ()=0
- virtual void **talk** ()=0

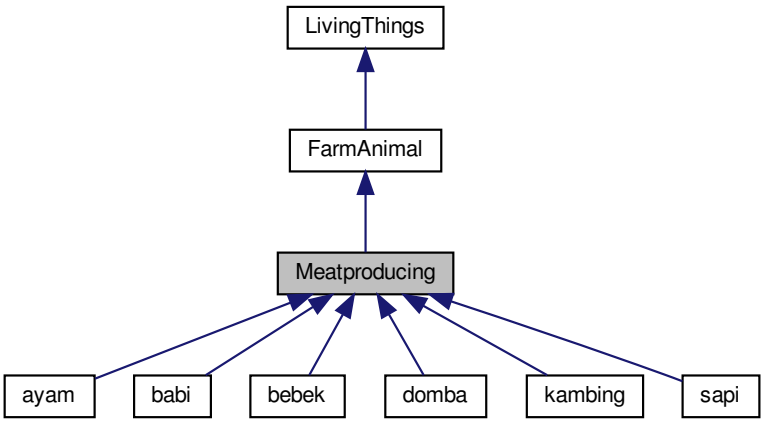
The documentation for this class was generated from the following file:

- LivingThings.h

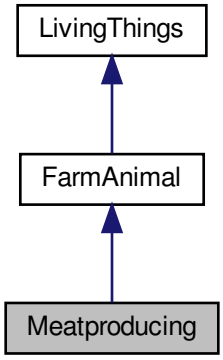
4.23 Meatproducing Class Reference

`#include <Meatproducing.h>`

Inheritance diagram for Meatproducing:



Collaboration diagram for Meatproducing:



Public Member Functions

- **Meatproducing** (int x, int y)

Static Public Member Functions

- static int **getjlhMeatP** ()

Additional Inherited Members

4.23.1 Detailed Description

Meatproducing class Class hewan penghasil daging,kelas turunan dari farm animal

Author

13517090

Since

2019.03.17

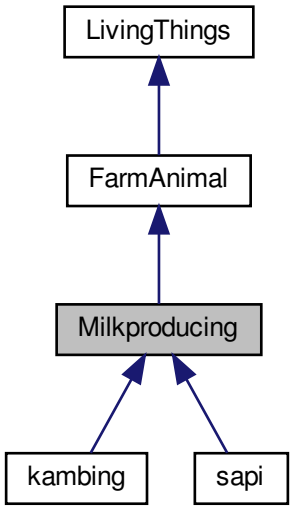
The documentation for this class was generated from the following file:

- Meatproducing.h

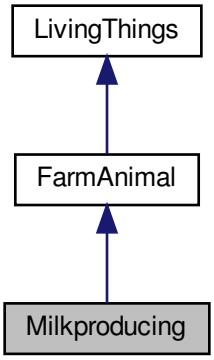
4.24 Milkproducing Class Reference

```
#include <Milkproducing.h>
```

Inheritance diagram for Milkproducing:



Collaboration diagram for Milkproducing:



Public Member Functions

- **Milkproducing** (int x, int y)

Static Public Member Functions

- static int **getjlhMilkP** ()

Additional Inherited Members

4.24.1 Detailed Description

Milkproducing class Class hewan penghasil susu ,kelas turunan dari farm animal

Author

13517090

Since

2019.03.17

The documentation for this class was generated from the following file:

- Milkproducing.h

4.25 node< Type > Struct Template Reference

Public Attributes

- node< Type > * **next**
- Type **data**

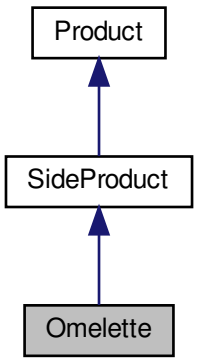
The documentation for this struct was generated from the following file:

- LinkedList.h

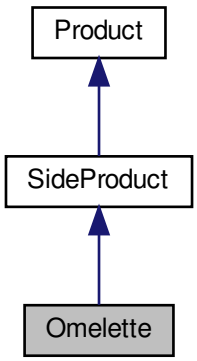
4.26 Omelette Class Reference

`#include <Omelette.h>`

Inheritance diagram for Omelette:



Collaboration diagram for Omelette:



Additional Inherited Members

4.26.1 Detailed Description

Omelette class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

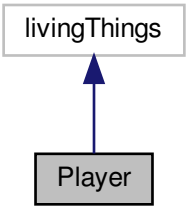
2019.03.17

The documentation for this class was generated from the following file:

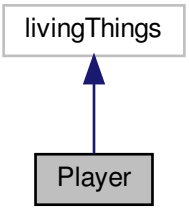
- Omelette.h

4.27 Player Class Reference

Inheritance diagram for Player:



Collaboration diagram for Player:



Public Member Functions

- **Player** (int x, int y)
- Hanya dapat bergerak petak per **pemanggilan** (?) ato enggak ∗/void Move(int posX
- void **Talk** ()
- void **Interact** ()
- void **Kill** ()
- void **Grow** ()

Public Attributes

- Hanya dapat bergerak petak per int **posY**

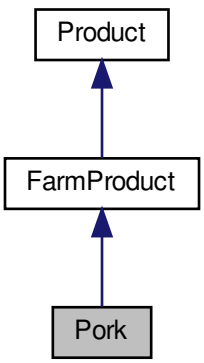
The documentation for this class was generated from the following file:

- Player.h

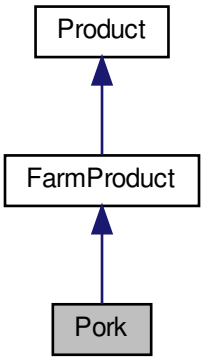
4.28 Pork Class Reference

`#include <Pork.h>`

Inheritance diagram for Pork:



Collaboration diagram for Pork:



Additional Inherited Members

4.28.1 Detailed Description

Pork class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

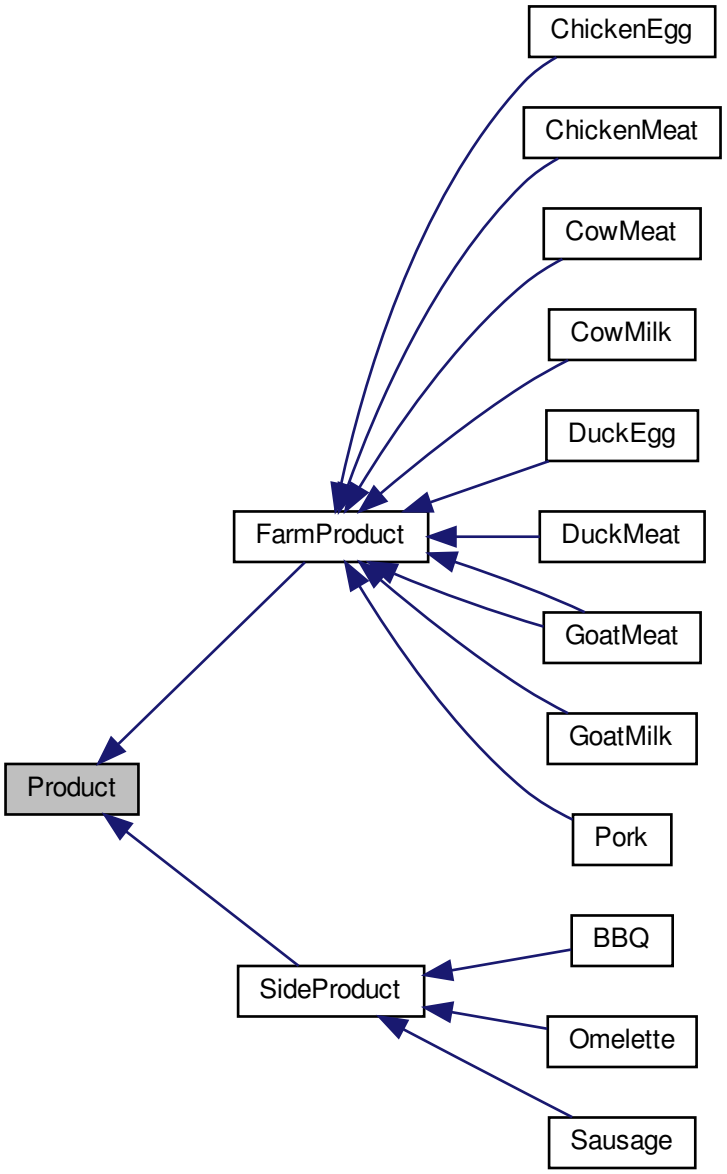
The documentation for this class was generated from the following file:

- Pork.h

4.29 Product Class Reference

`#include <Product.h>`

Inheritance diagram for Product:



Public Member Functions

- int getProductValue ()
- int getExpireValue ()

Public Attributes

- int **expireValue**

4.29.1 Detailed Description

Product class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

4.29.2 Member Function Documentation

4.29.2.1 getExpireValue()

```
int Product::getExpireValue ( )
```

Get the expire value of the product.

Returns

int expire value.

4.29.2.2 getProductValue()

```
int Product::getProductValue ( )
```

Get the product value.

Returns

int product value.

The documentation for this class was generated from the following file:

- Product.h

4.30 Renderable Class Reference

Public Member Functions

- virtual void **render** ()=0

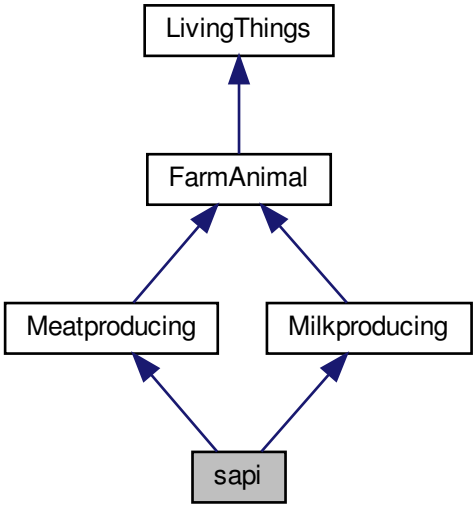
The documentation for this class was generated from the following file:

- Renderable.h

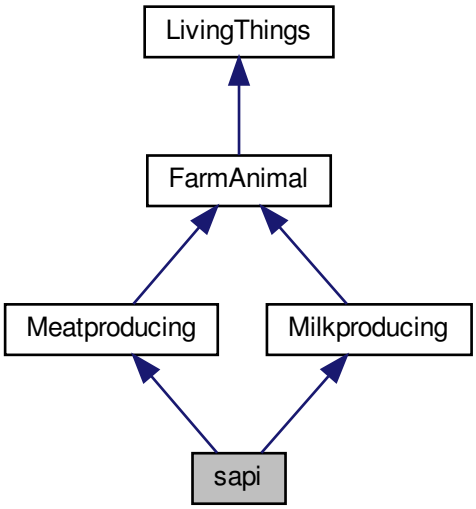
4.31 sapi Class Reference

`#include <sapi.h>`

Inheritance diagram for sapi:



Collaboration diagram for sapi:



Public Member Functions

- **sapi** (int posX, int posY)
- void **move** ()
- void **talk** ()
- void **eat** ()
- string **getProduct** ()
- int **getcountcowMilk** () const
- int **getFull** ()
- void **setFull** (int Full)

Additional Inherited Members

4.31.1 Detailed Description

sapi class. Class sabi ,turunan meat producing&milk

Author

13517090

Since

2019.03.17

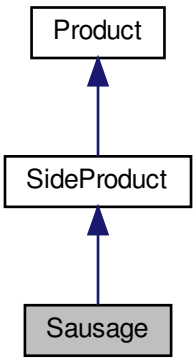
The documentation for this class was generated from the following file:

- sapi.h

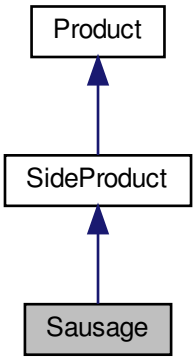
4.32 Sausage Class Reference

`#include <Sausage.h>`

Inheritance diagram for Sausage:



Collaboration diagram for Sausage:



Additional Inherited Members

4.32.1 Detailed Description

Sausage class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

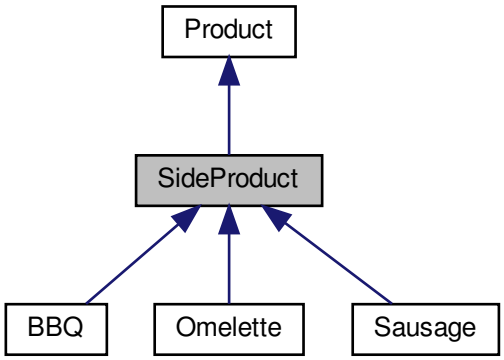
The documentation for this class was generated from the following file:

- Sausage.h

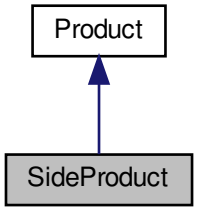
4.33 SideProduct Class Reference

```
#include <SideProduct.h>
```

Inheritance diagram for SideProduct:



Collaboration diagram for SideProduct:



Public Member Functions

- int getPortion ()

Additional Inherited Members

4.33.1 Detailed Description

SideProduct class.

Author

Ghazwan S. M. ghazwan.sihamudin@gmail.com

Since

2019.03.17

4.33.2 Member Function Documentation

4.33.2.1 getPortion()

```
int SideProduct::getPortion ( )
```

Get product portion.

Returns

int portion.

The documentation for this class was generated from the following file:

- SideProduct.h

Index

ayam, 7

BBQ, 10
babi, 9
bebek, 11

Cell, 13
ChickenEgg, 14
ChickenMeat, 15
CowMeat, 17
CowMilk, 18

domba, 19
DuckEgg, 21
DuckMeat, 22

Eggproducing, 24

Facility, 25
FarmAnimal, 26
FarmProduct, 27

getExpireValue
    Product, 43
getPortion
    SideProduct, 48
getProductValue
    Product, 43
GoatMeat, 28
GoatMilk, 30

kambing, 31

Land, 33
LinkedList< Type >, 34
LivingThings, 34

Meatproducing, 35
Milkproducing, 36

node< Type >, 38

Omelette, 38

Player, 39
Pork, 40
Product, 41
    getExpireValue, 43
    getProductValue, 43

Renderable, 43

sapi, 44
Sausage, 45
SideProduct, 46
    getPortion, 48