

**Kecerdasan buatan
(Sistem Pakar)**



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Studi kasus membuat output 2 animal

Binatang 1 : no kelompok % 6, hewan Albatross

```
?- emacs('D:/animal.pl').
true.

?- consult('D:/animal.pl').
true.

?- go.
Does the animal have the following attribute: has_hair? yes.
Does the animal have the following attribute: eats_meat? |: no.
Does the animal have the following attribute: has_pointed_teeth? |: no.
Does the animal have the following attribute: has_hooves? |: no.
Does the animal have the following attribute: chews_cud? |: no.
Does the animal have the following attribute: has_feathers? |: yes.
Does the animal have the following attribute: does_not_fly? |: no.
Does the animal have the following attribute: appears_in_story_Ancient_Marine?yes.
Does the animal have the following attribute: appears_in_story_Ancient_Mariner?yes.
Does the animal have the following attribute: flies_well? |: yes.
I guess that the animal is: albatross
true.
```

Membuat 2 output benar dan 1 output salah dan menghasilkan nama albatross

Binatang 2 : no kelompok % 6 + 1 = 7, hewan Unknown

```
?- emacs('D:/animal.pl').
true.

?- consult('D:/animal.pl').
true.
```

Mencoba hasil Output

```
?- go.
Does the animal have the following attribute: has_hair? y
|: .
Does the animal have the following attribute: eats_meat? |: yes.
Does the animal have the following attribute: has_tawny_color? |: no.
Does the animal have the following attribute: has_hooves? |: no.
Does the animal have the following attribute: chews_cud? |: yes.
Does the animal have the following attribute: has_long_neck? |: no.
Does the animal have the following attribute: has_black_stripes? |: no.
Does the animal have the following attribute: has_feathers? |: yes.
Does the animal have the following attribute: does_not_fly? |: yes.
Does the animal have the following attribute: swims? |: no.
Does the animal have the following attribute: appears_in_story_Ancient_Marine?no.
Does the animal have the following attribute: appears_in_story_Ancient_Mariner?no.
I guess that the animal is: unknown
true.
?-
```

Membuat 2 output benar dan 1 output salah dan menghasilkan nama Unknown

expertsystem.pl

Binatang 1 : no kelompok % 6, nama : snow_goose

```
?- identify
|
nostrils:external_tubular? (yes or no): yes.
live:at_sea? (yes or no): |: yes.
bill:hooked? (yes or no): |: no.
feet:webbed? (yes or no): |: yes.
bill:flat? (yes or no): |: yes.
neck:long? (yes or no): |: no.
```

```
What is the value for size?
1 : large
2 : plump
3 : medium
4 : small
Enter the number of choice> |: 2.
```

```
What is the value for flight?
1 : ponderous
2 : powerful
3 : agile
4 : flap_glide
5 : other
Enter the number of choice> |: 2.
```

```
What is the value for season?
1 : winter
2 : summer
Enter the number of choice> |:
|: 1.
```

```
What is the value for state?
1 : massachusetts
2 : vermont
3 : florida
4 : mississippi
5 : etc
Enter the number of choice> |: 5.
```

```
head:black? (yes or no): |: no.
color:white? (yes or no): |: yes.
The bird is a snow_goose
true .
```

Binatang 2 : no kelompok % 6 + 8 =14, Bird ash_throated_flycatcher

Hasilnya :

?- identify.
nostrils:external_tubular? (yes or no): yes.
live:at_sea? (yes or no): |: no.
feet:webbed? (yes or no): |: no.
eats:meat? (yes or no): |: no.
feet:one_long_backward_toe? (yes or no): |: yes.
bill:flat? (yes or no): |: yes.
eats:flying_insects? (yes or no): |: yes.

What is the value for tail?
1 : narrow_at_tip
2 : forked
3 : long_rusty
4 : square
5 : other
Enter the number of choice> |: 2.

throat:white? (yes or no): |: yes.
The bird is a ash_throated_flycatcher
true .