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# EXPERIMENT 7 ENG HMANGA ARTUI ENFIAH LEH A THAT DAN MILA THLIAR HRAN

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## 7.1 THUKAMKEUNA

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‘Candling’ tih awmzia chu artui ah eng kaltlang tira a dinhmun enfiahna hi a ni. ‘Grade’ tawngkam hi chuan hralh thil atana artui pawnlam langthei leh chhunglam that dan a kawka a ni. A grade kha a san poh leh artui kha a that dan a sang zel tihna a ni. Artui tha chu aman a sang zawka, a vawnthat rei theih zawk bawka a ni.

### A thiltum

He zirlai i zawh meuh chuan heng hi i ti thei tawh ang:

- Artui that zawng i teh thei ang;
- Artui pianphung pangngailo leh a chhung thalo, heng thisen leh sa them awm te hriattheihna;
- Artui a that dan mila thliarhran.

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## 7.2 EXPERIMENT

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### 7.2.1 Thubul

Artui hi mumallo taka hunrei tak dahthat anih chuan, a albumen (a chhungvar protein) chu a a lo tuirila, a chhungmu hi a pangngaiah chuan artui lai takah a awm thina, hetia a pawнвар a lo tuiril hian a chhungmu chu a sirah tawlhsawn theiin, a che sawn thei ta thin a ni. Artui chhungmu enghmanga ena a hmuhchian theih dan azir leh a chetsawn nasat theih dan atangin artui that dan a zirchian theih a ni.

### 7.2.2 Mamawh

- Artui
- Egg Candler
- Artui bukna tur patla
- Air-cell gauze

### 7.2.3 A tih dan tur

#### (i) Eng hmanga artui enfiah

1. Egg candler ‘on’ rawh
2. Artui mal khat enna a nih chuan, artui hmawr lianlam kha eng rawn chhuahna lamah dah in keng rawh (Fig. 7.1).



Fig. 7.1: Artuimal enna



Fig. 7.2: Artui tamtak enna

3. Vawikhata tamtak en theihna anih chuan artui chu eng zawnah dahtlar tur a ni (Fig. 7.2).
4. Artui thatlohna hrang hrang te (Fig. 7.3 leh 7.4) heng; air-cell lenzawng, artui kawr pan leh khi, thisen leh sa them awm ang chi te chhinchhiah rawh.



Fig.7.3: A kawr pan leh kawr neilo



Fig. 7.4: Artui pianphung diklo

5. Artui chu awmhmun sawn lovin tuaivir la, artui chungmu a hmuhchian theih dan leh a chetkual theih dan enfiah rawh.
6. Artui hi a keu theih dawn leh dawnloh enfiah tur chuan ni 5 atanga ni 7 a rei awplum phawt a ngai a, a keuthei turah chuan thisenzam a hmuhtheih a, a keutheilo turah chuan chutiang hmuh tur awmlovin a lang fim a ni.
7. Air-cell gauze hmangin ‘air-cell’ thuk zawng teh rawh.

#### (ii) A that lam bithliah

Artui that lam bithliah hi tihdan tam tak a awm a. Chung zingah chuan tihdan chihnih lar deuh deuh an awm a, chung te chu; a rihzawng mila en leh a chhunglam that danah a ni.

#### (a) Artui rihzawng:

- 1) Artui bukna ‘on’ rawh
- 2) Electric hmang anih chuan 0 (bial) ah dah rawh
- 3) A bukna thlengah chuan artui dah la a rihzawng ‘gram’ in chhinchhiah rawh.

- 4) Bureau of Indian Standard (BIS) te duhdan milin artui chu an that lam a hnuai entir ang hian bithliah rawh.

Eng hmanga artui enfiah leh a that dan mila thliar hran

**Table 7.1: An rihzawng atanga ena artui that dan bithliahna**

Artui rihzawng (g)	Grade
60 chunglam	Lian lutuk (Extra large)
54 to 60	Lian (Large)
48 to 53	Pangngai (Medium)
48 hnuialam	Te (Small)

**(b) Artui chhunglam that zawng:**

- 1) Egg candler ‘on’ rawh.
- 2) Artui egg candler chungah dah rawh.
- 3) A chhungvar a hmun diktakah a awm em tih en rawh.
- 4) Artui chhungmu a awmna tur takah a awm leh awmloh en rawh.
- 5) Thisen emaw sa them emaw a awm em en rawh.

Table 7.2. a tarlan angin Bureau of Indian Standards (BIS) te duhdan milin artui eng hmanga i enfiah te chu a chhunglam (air cell, artui chhungvar leh artui chhungmu) that dan azirin bithliah rawh.

**Table 7.2: Artui; a kawr, air cell, a chhungvar leh a chhungmu thatlam bithliahna**

Grade	A kawr thatlam	Air cell	A chhungvar	A chhungmu
A	Fai leh Thianghlim	Nghet, piantha	Fai, awmtha	A laitaka awm
	Mam tha, fiahtaka rawng nei	4 mm a thuk	Nghet, thisen leh sa them awm lo	Thisen emaw sa them awmlo, langfiah tha
B	Fai lutuk lo, a thap deuh leh rawng dal	Nghet, piantha anga lang, 8 mm a thuk	Awmnghet thawkhat, thisen leh sa them awmlo, mawk deuh	A laia awm tha, thisen leh sa them awm lo, fiah ve thawkhat

**7.2.4 Hmuh dan**

- i) Artui rihzawng ..... g.
- ii) A hnuai mi te hi enfiah rawh:
  - A kawr that dan .....
  - Air cell .....
  - A chhungvar .....
  - A chhungmu .....

### 7.2.5 Hmuhchhuah

- i. Artui rihzawng milin a that dan han bithliah teh .....
- ii. Artui chhunglam that dan azirin han bithliah teh .....

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### 7.3 FIMKHURNA TUR TE

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- Thil teh leh buk reng reng fimkhur tak leh dik taka tih thin tur a ni.
- Artui chu egg candler ah dimte a dah tur, chuti lo chu a keh awlsam hle a ni.
- Artui kawr pan emaw khi emaw kawr neilo emaw te chu endik atan hman loh tur a ni.
- Artui te chu an that dan azirin chhinchhiah hran vek tur a ni.

