



FACTORY VISIT

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VENUE: KILANG FARMASEUTIKAL PHARMANIAGA

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LECTURER: SIR KAMARULZAMAN BIN KAMALUDIN

ACKNOWLEDGEMENT



First and foremost, I would like to thank to PHARMANIAGA members who guided us in doing these visit to their factory. They provided us with invaluable advice and helped us in difficult periods. Their motivation and help contributed tremendously to the successful completion of the program.

Besides, we would like to thank all the teachers who helped us by giving us advice and providing the transportation and other equipment which we needed.

I am joining this program not only for marks but to also increase my knowledge.

At last but not in least, we would like to thank everyone who helped and motivated us to work on this program.

REPORT OF PHARMANIAGA MANUFACTURING BERHAD



Clean Room

- Cleanroom is a clean environment designed to reduce the contamination of processes and materials. This is accomplished by removing or reducing contamination sources.

Clean Room Suit

Clean Room 1

- Wear cover shoes.

Clean Room 2

- Wear the second of cover shoes.
- Wear the PPE including a face mask.
- Wash hand using personal hygiene hand washing technique using antiseptic.
- Use hand sanitizer.

Personal Hygiene Hand-washing Technique Using Antiseptic

1. Wet hands with water.
2. Place hand under the soap dispenser and press twice.
3. Lather soap and scrub hands well, palm to palm. Ensure all palm area is covered.
4. Rub palm over the back of opposite hand with interlaced fingers. Repeat with other palm and opposite hand.
5. Rub hands palm to palm with finger interlaced.
6. Rub the back fingers of each hand in opposite palm with fingers interlocked.
7. Rub a thumb with rotational movements in the closed palm of the opposite hand. Repeat with other thumb and opposite hand.
8. Rub tips of finger in opposite palm in a circular motion.
9. Rub each wrist with opposite hand.
10. Rinse hands thoroughly under running water.
11. Dry hands with automatic hand dryer for about 40 to 60 seconds until hands are completely dried.

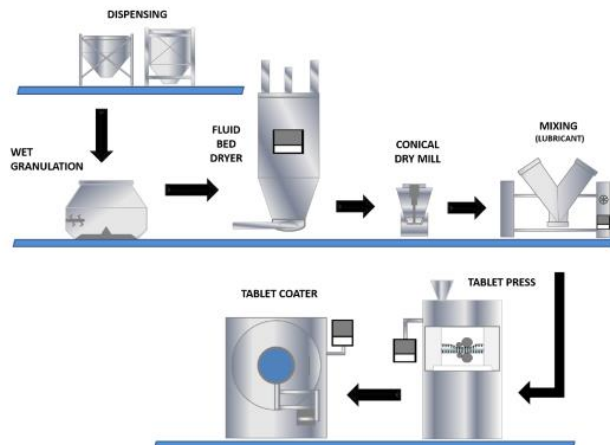
Sanitizer Hand Rub Hygiene Technique

1. Place cupped hand under the dispenser and press 3 times using the opposite elbow.
2. Rub hands well, palm to palm. Ensure all palm area is covered.
3. Rub palm over the back of opposite hand with interlaced fingers. Repeat with other palm and opposite hand.
4. Rub hands palm to palm with finger interlaced.
5. Rub the back fingers of each hand in opposite palm with fingers interlocked.
6. Rub a thumb with rotational movements in the closed palm of the opposite hand. Repeat with other thumb and opposite hand.
7. Rub tips of finger in opposite palm in a circular motion.
8. Rub each wrist with opposite hand.
9. Wait until alcohol has evaporated and hands are dry. The process should 15-30 seconds.

TABLET MANUFACTURING PROCESS FLOW

WET GRANULATION

Wet granulation involves the massing of a mix of dry primary powder particles using a granulating fluid. The fluid contains a solvent which can be removed by drying, and should be non-toxic. Typical solvents include water, ethanol and isopropanol and methylene chloride either alone or in combination.



1. Weighing of raw materials
2. Screening
3. Mixing
4. Compress
5. Milling
6. Screening
7. Granules
8. Mixing (lubricant)
9. Compression
10. Tablet

THANKYOU!

