



Water Storage Setup Checklist

Complete guide with container shopping list, maintenance schedule, monthly inspection checklist, treatment protocols, and troubleshooting guide for Malaysian tropical conditions.

Safe water storage is one of the most important parts of emergency preparedness in Malaysia. High humidity, heat, floods, algae growth, and contamination risks require regular maintenance and proper storage methods.

1. Water Storage Shopping List

Item	Recommended Quantity	Notes
Food-grade water containers	2–6 units	Use BPA-free or food-safe containers
Bottled water	2–4 weeks minimum	Rotate regularly
Water filter	1–2 units	Gravity filter or portable filter
ORS / Electrolytes	Several boxes	Useful during heat or diarrhea
Unscented bleach	1 bottle	Emergency water treatment only
Water siphon/pump	1 unit	Helpful for large containers
Labels & markers	Several	Track fill and rotation dates

2. Household Water Storage Targets

Family Size	Minimum Target	Preferred Target
1–2 People	40–80 liters	120–240 liters
3–4 People	80–160 liters	240–480 liters
5–6 People	160–240 liters	480–720 liters

General recommendation: store at least 3–7 days of drinking water and additional water for hygiene, cooking, and cleaning.



3. Water Maintenance Schedule

Task	Frequency	Completed
Rotate bottled water	Every 6–12 months	■
Inspect containers for leaks	Monthly	■
Clean large storage containers	Every 6 months	■
Check for algae/cloudiness	Monthly	■
Replace water filter elements	According to manufacturer	■
Inspect storage area for pests/moisture	Monthly	■

4. Monthly Inspection Checklist

Done	Inspection Item
■	Check all container seals
■	Inspect for mold or algae growth
■	Ensure containers remain elevated from floor
■	Inspect for insects or rodents nearby
■	Check storage temperature and sunlight exposure
■	Verify rotation dates are updated
■	Test water filter if available
■	Review emergency water treatment supplies

5. Emergency Water Treatment Protocols

Method	Basic Guidance
Boiling	Bring water to rolling boil for at least 1 minute.
Bleach Treatment	Use only plain unscented bleach. Follow official emergency dilution guidelines.
Portable Filters	Useful during floods or outdoor evacuation scenarios.
Commercial Water Purification Tablets	Follow product instructions carefully.

Floodwater and unknown water sources may contain sewage, chemicals, bacteria, or parasites. When unsure, avoid consumption without proper treatment.

6. Tropical Water Storage Troubleshooting Guide

Problem	Possible Cause	Recommended Action
Cloudy water	Heat or contamination	Discard if uncertain and clean container

Problem	Possible Cause	Recommended Action
Green algae growth	Sunlight exposure	Move containers away from sunlight
Plastic smell	Low-quality containers	Use food-grade storage only
Ants/insects nearby	Poor storage location	Elevate containers and clean area
Mold near lids	Humidity buildup	Dry thoroughly after cleaning

Key Malaysian Water Storage Principles: Store containers away from direct heat and sunlight. Use rotation systems to avoid stale water. Protect supplies from floodwater contamination. Prioritize clean drinking water before comfort items. Keep backup purification options available.

Based on the Preppers MY article: Home Water Storage in High Humidity Environments — The Malaysian Guide to Safe Water Storage.