



*COUNTRY REPORT ON THE OCEANOGRAPHIC
RESEARCH AND DATA MANAGEMENT ACTIVITIES
IN INDONESIA 1996 TO 2001*

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INTRODUCTION

- **Indonesia** is recognized by UNCLOS 1982 as an archipelagic state.
- Indonesia covers of :
 - * $2.9 \cdot 10^6 \text{ km}^2$ → Archipelagic waters
 - * $0.3 \cdot 10^6 \text{ km}^2$ → Territorial sea
 - * $2.7 \cdot 10^6 \text{ km}^2$ → EEZ
- 2/3 Ind. Territory → sea (important)
- **DISHIDROS** is The National Tide Data Center responsible provide various marine information for national and international



DATA COLLECTION :

- 
- CARRIED OUT BY INSTITUTION ITSELF
 - JOINT WITH ANOTHER INSTITUTION
 - JOINT WITH ANOTHER COUNTRY
 - HYD SURV AND OCE RESEARCH → BASE ON THEIR FUNCTION AND THEIR COMPETENCE

MOST OF THE DATA STORED AT DISHIDROS

2 PROGRAMS TO COLLECT DATA :

- MEMS (DISHIDROS)
- SEAWATCH (BPPT, DISHIDROS AND RELATED INSTITUTIONS)

Surveys conducted by DISHIDROS 1996 – 2001:

1. Port Development	—————>	11 surveys
2. Fisheries	—————>	9 surveys
3. Science	—————>	8 surveys
4. Up dating Nautical Chart	—————>	56 surveys
5. Indonesia Sea Lane	—————>	23 surveys
6. Marine Monitoring	—————>	2 surveys
7. Base Point	—————>	7 surveys
8. EEZ	—————>	7 surveys

Institutions to collect the Ocean Data

	DATA INSTITUTION	TIDE	CURRENT	NAUTICAL INFO	NAUTICAL CHART	CHEMICAL OF SEA WATER	MARINE BIOLOGICAL	CTD	MARINE GEOLOGI	MARINE METEOROLOGICAL	REMARKS
1	DISHIDROS	X	X	X	X	X	X	X		X	
2	BPPT						X	X		X	
3	BAKOSURTANAL	X									
4	LIPI	X	X			X	X	X			
5	PPGL								X		
6	DKP						X	X			
7	BMG									X	

DISHIDROS : HYDRO- OCEANOGRAPHIC SERVICE
 BPPT : AGENCY FOR THE ASSESSMENT AND APPLICATION OF TECHNOLOGY
 BAKOSURTANAL : NATIONAL COORDINATOR SURVEY AND MAPPING AGENCY
 LIPI : INDONESIAN INSTITUTE OF SCIENCES
 PPGL : MARINE GEOLOGY RESEARCH CENTER
 DKP : DEPARTEMENT OF MARINE AND FISHERIES
 BMG : METEOROLOGY AND GEOPHYSICS AGENCY

Data Management :

- DATA COLLECTING
- STORED in 2 TYPES : HARD COPY & DATA BASE → FLOPPY DISC AND CD
- MANY PURPOSES
- PROCESSED & ANALYZED
- PREDICTING & UP DATING NAUTICAL BOOKS



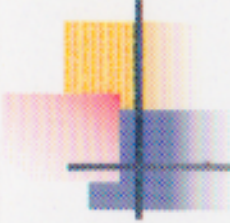


DISHIDROS Programs:

- MEMS (Marine Environment Monitoring System) by Dishidros

A SYSTEM AND METHOD OF MEASURING, GATHERING AND PROCESSING MARINE DATA :

- TIDE
- CURRENT
- WAVE
- CTD
- METEOROLOGICAL DATA

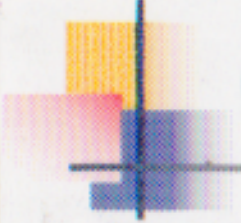


CONTROL STATION IN JAKARTA

5 GROUPS AND 5 SUB CONTROL STATIONS

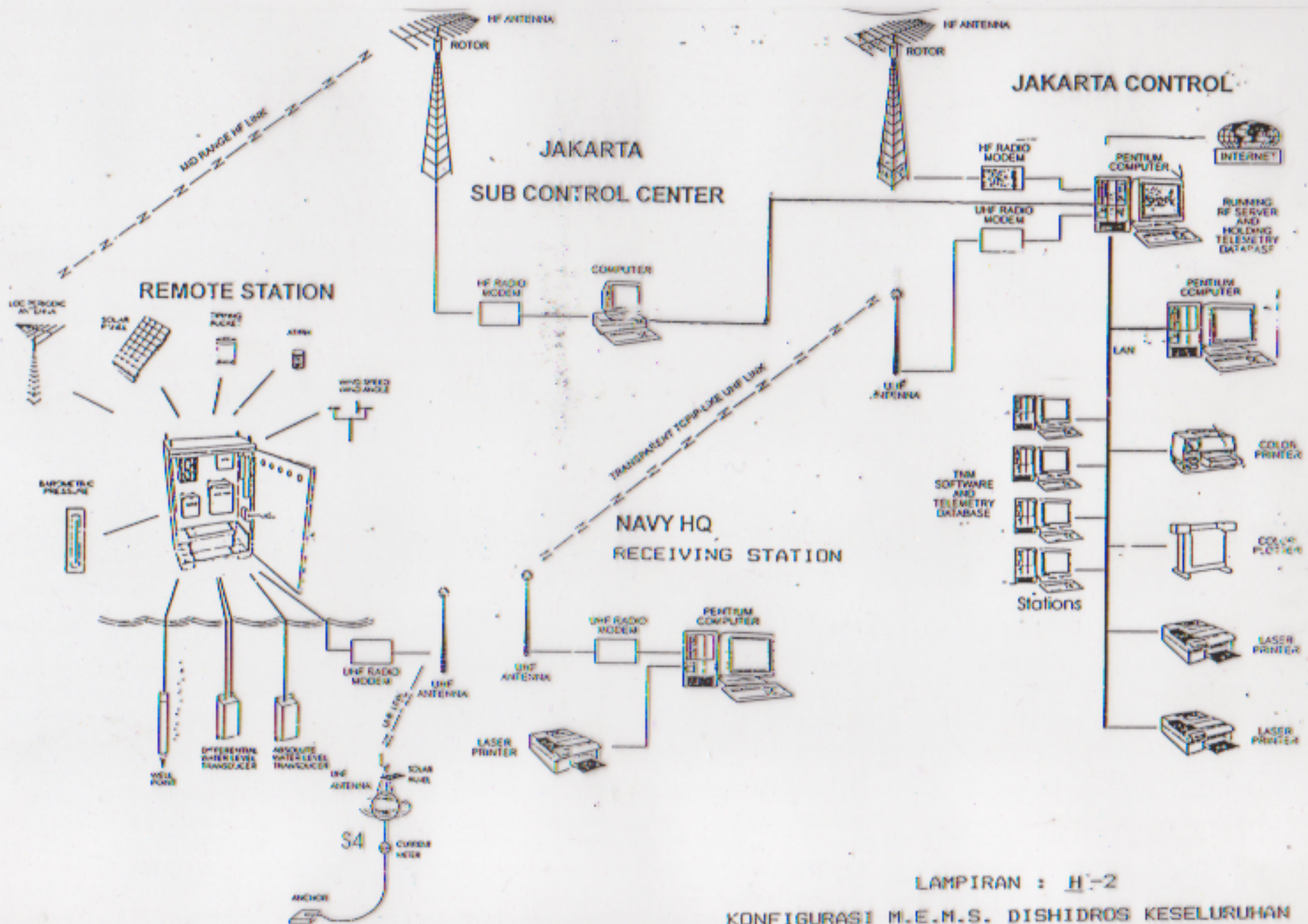
BUOY TO SUB CONTROL STN → UHF

SUB CONTROL STN TO JKT → HF



Conclusion :

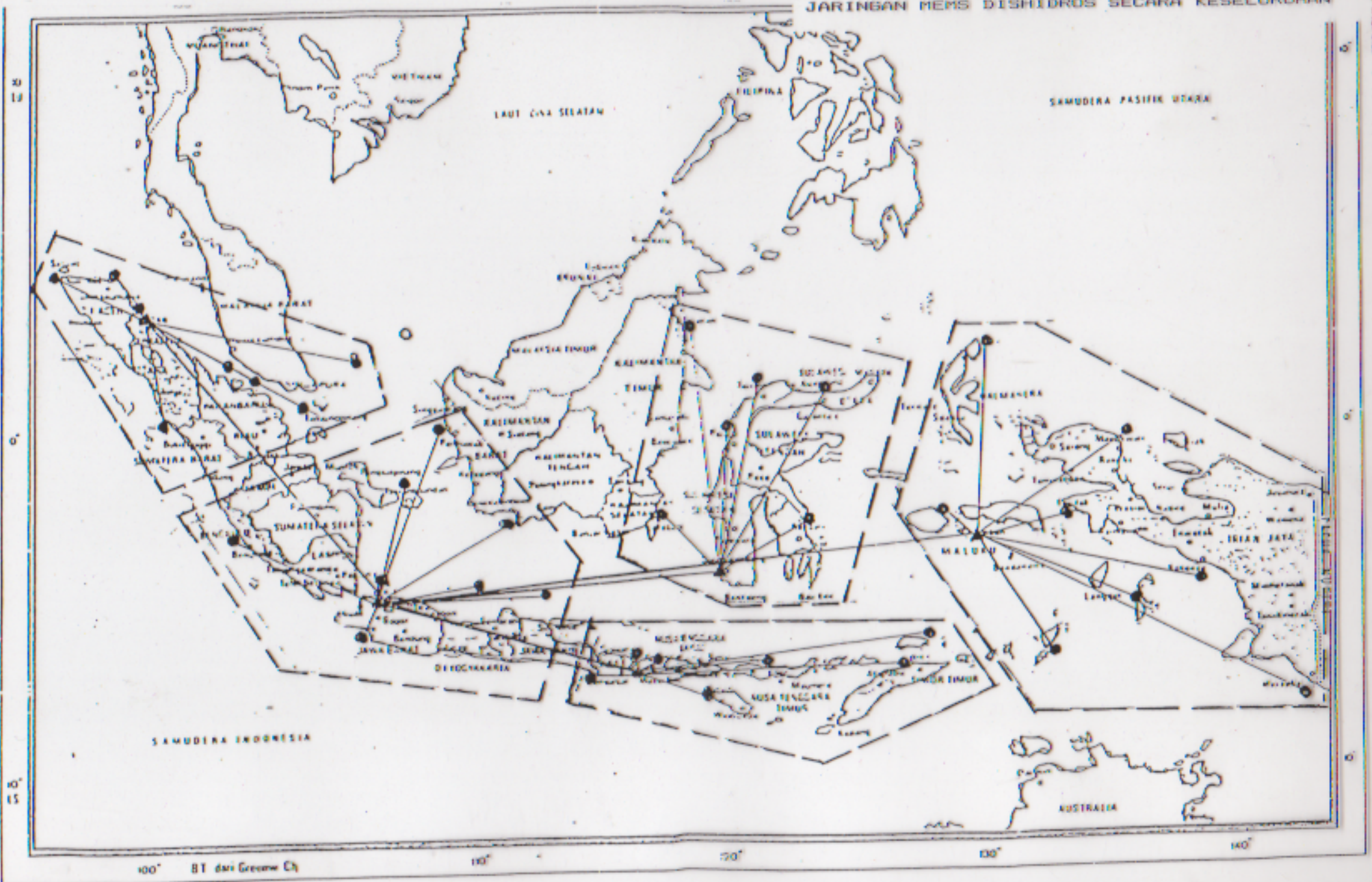
1. Hyd. Surv and Oce research for collecting oce data in Ind are carried out by several inst and most of the data are stored at Dishidros
2. The MEMS program in Indonesia, have some problems encountered, especially budget for operation and maintenance.

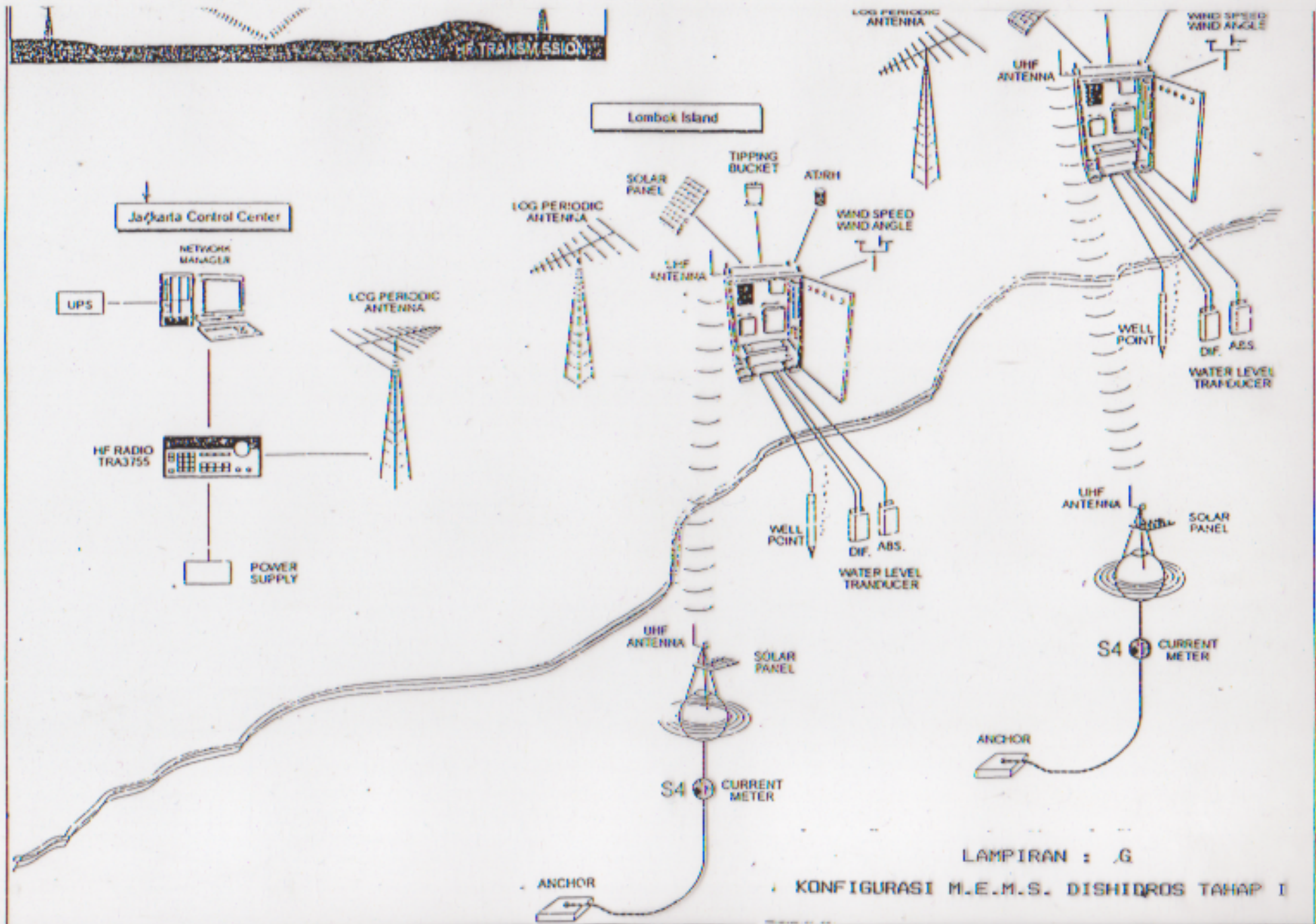


LAMPIRAN : H-2

KONFIGURASI M.E.M.S. DISHIDROS KESELURUHAN

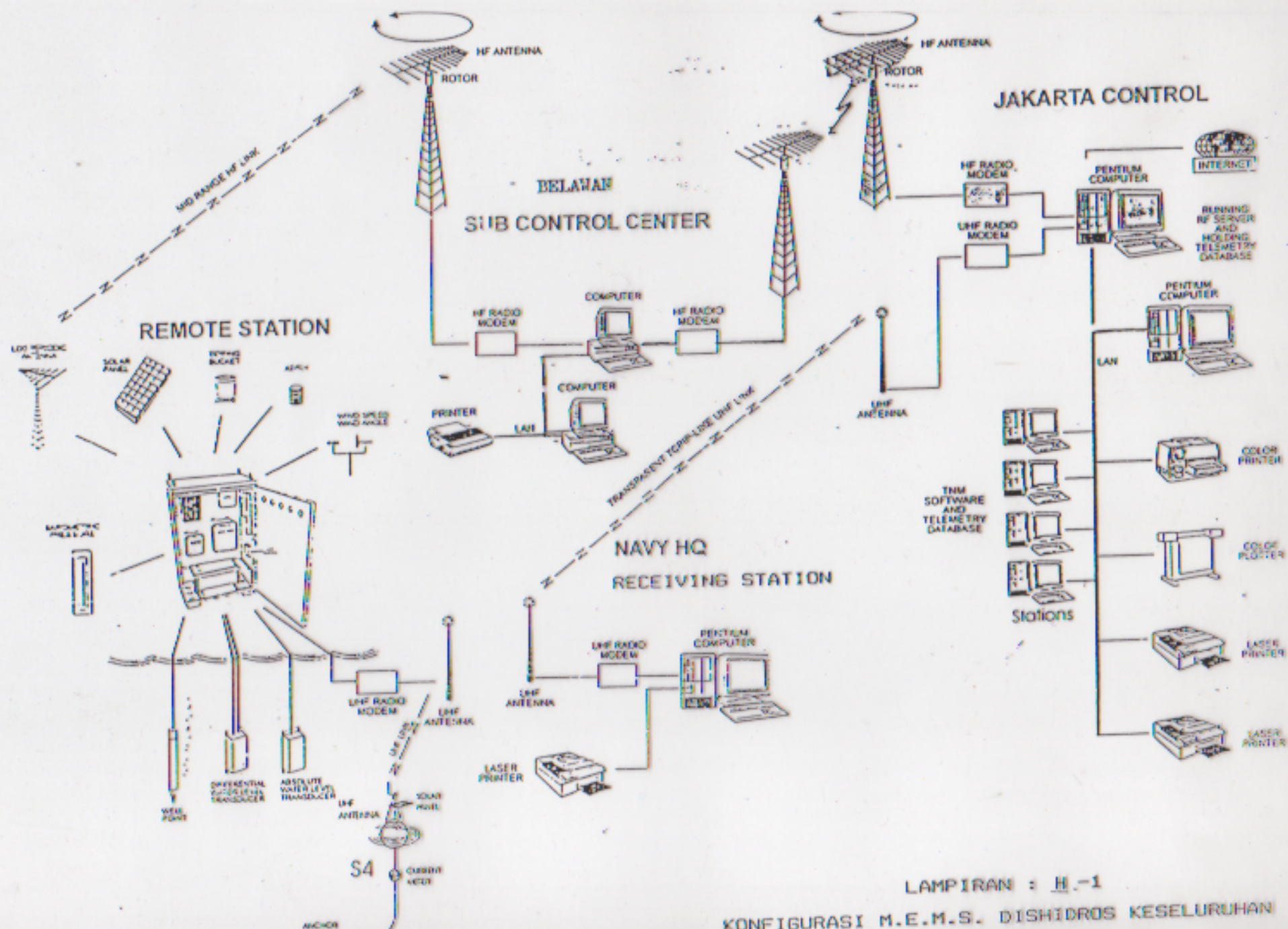
JARINGAN MEMS DISHIDROS SECARA KESELURUHAN





LAMPIRAN : G

KONFIGURASI M.E.M.S. DISHIDROS TAHAP I



LAMPIRAN : H.-1

KONFIGURASI M.E.M.S. DISHIDROS KESELURUHAN